

Database exists, assume schema does, too.

Symbol

SP1500	SPTM
SP500	SPY
SP600	SLY
SP400	MDYG

Symbol

Communication Services ETF	VOX
Consumer Discretionary ETF	VCR
Consumer Staples ETF	VDC
Energy ETF	VDE
Financials ETF	VFH
Health Care ETF	VHT
Industrials ETF	VIS
Information Technology ETF	VGT
Materials ETF	VAW
Real Estate ETF	VNQ
Utilities ETF	VPU

Seasonal Indexes

	03-31	06-30	09-30	12-31
0	Energy ETF	Information Technology ETF	Information Technology ETF	Information Technology ETF
1	Information Technology ETF	Consumer Discretionary ETF	Consumer Discretionary ETF	Financials ETF
2	Utilities ETF	Energy ETF	SP500	Materials ETF
3	SP1500	Materials ETF	Industrials ETF	SP600
4	Industrials ETF	SP1500	SP1500	Consumer Discretionary ETF
5	SP500	SP500	Health Care ETF	SP400
6	SP600	SP600	Utilities ETF	SP500
7	Health Care ETF	SP400	Consumer Staples ETF	SP1500
8	Consumer Staples ETF	Health Care ETF	Financials ETF	Health Care ETF
9	SP400	Communication Services ETF	Materials ETF	Consumer Staples ETF
10	Financials ETF	Real Estate ETF	Communication Services ETF	Energy ETF
11	Consumer Discretionary ETF	Financials ETF	SP400	Utilities ETF
12	Real Estate ETF	Industrials ETF	Real Estate ETF	Industrials ETF
13	Materials ETF	Consumer Staples ETF	SP600	Real Estate ETF
14	Communication Services ETF	Utilities ETF	Energy ETF	Communication Services ETF

	03-31	06-30	09-30	12-31
SP1500	-0.010622	0.081757	0.041626	0.049958
SP500	-0.011990	0.080771	0.045646	0.050086
SP600	-0.017768	0.080509	0.019158	0.057970
SP400	-0.019859	0.080174	0.020554	0.051549
Communication Services ETF	-0.032872	0.075995	0.022591	0.017899
Consumer Discretionary ETF	-0.021214	0.120254	0.052510	0.052777
Consumer Staples ETF	-0.018663	0.035480	0.034807	0.045915
Energy ETF	0.055913	0.096281	-0.039735	0.042416
Financials ETF	-0.020711	0.061049	0.030176	0.065446
Health Care ETF	-0.017923	0.078706	0.041045	0.047467
Industrials ETF	-0.011020	0.058300	0.045427	0.039920
Information Technology ETF	0.006217	0.121831	0.068693	0.067531
Materials ETF	-0.026671	0.082827	0.027940	0.058669
Real Estate ETF	-0.026416	0.075756	0.019424	0.038472
Utilities ETF	-0.001263	0.026125	0.039218	0.042001

Note if the final data in the prices ends on a quarter, this will aggregate into the seasonal_index above and there will be no comparison
Current

06-10

Energy ETF	0.157138
Utilities ETF	-0.038317
Consumer Staples ETF	-0.056250
Materials ETF	-0.080392
SP600	-0.094221
Health Care ETF	-0.096116
Industrials ETF	-0.121767
SP400	-0.126263
SP1500	-0.133501
SP500	-0.136923
Financials ETF	-0.144127
Real Estate ETF	-0.145335
Communication Services ETF	-0.186172
Information Technology ETF	-0.190021
Consumer Discretionary ETF	-0.213144

standard deviations

	03-31	06-30	09-30	12-31
SP1500	0.134644	0.072380	0.037999	0.110320
SP500	0.127411	0.070450	0.039033	0.106496
SP600	0.199479	0.088447	0.037096	0.179394
SP400	0.157662	0.100224	0.037075	0.138781
Communication Services ETF	0.138244	0.095192	0.045269	0.123434
Consumer Discretionary ETF	0.151791	0.146922	0.083611	0.127243
Consumer Staples ETF	0.096633	0.035421	0.049261	0.063730
Energy ETF	0.369457	0.166709	0.099129	0.202483
Financials ETF	0.192299	0.053666	0.014462	0.140299
Health Care ETF	0.079810	0.054107	0.065798	0.098650
Industrials ETF	0.178470	0.072339	0.066050	0.134044
Information Technology ETF	0.135329	0.113409	0.054569	0.136753
Materials ETF	0.163483	0.099766	0.065317	0.127072
Real Estate ETF	0.161483	0.056090	0.032025	0.078165
Utilities ETF	0.092016	0.021473	0.033841	0.054883

t scores

	03-31	06-30	09-30	12-31
SP1500	-0.035281	0.505153	0.489908	0.202519
SP500	-0.042087	0.512730	0.522980	0.210329
SP600	-0.039834	0.407076	0.230960	0.144515
SP400	-0.056330	0.357747	0.247928	0.166115
Communication Services ETF	-0.106341	0.357027	0.223180	0.064848
Consumer Discretionary ETF	-0.062503	0.366041	0.280865	0.185493
Consumer Staples ETF	-0.086371	0.447954	0.315992	0.322196
Energy ETF	0.067680	0.258283	-0.179260	0.093682
Financials ETF	-0.048166	0.508740	0.933164	0.208614
Health Care ETF	-0.100433	0.650529	0.278976	0.215182
Industrials ETF	-0.027615	0.360421	0.307577	0.133187
Information Technology ETF	0.020546	0.480423	0.562966	0.220841
Materials ETF	-0.072960	0.371283	0.191302	0.206478
Real Estate ETF	-0.073157	0.604012	0.271246	0.220111
Utilities ETF	-0.006140	0.544116	0.518265	0.342246

p values

	03-31	06-30	09-30	12-31
SP1500	0.487036	0.675887	0.671106	0.573766
SP500	0.484537	0.678247	0.681422	0.576557
SP600	0.485364	0.644372	0.583899	0.552872
SP400	0.479310	0.627889	0.589904	0.560685
Communication Services ETF	0.461012	0.627646	0.581136	0.523813
Consumer Discretionary ETF	0.477047	0.630688	0.601465	0.567662
Consumer Staples ETF	0.468307	0.657720	0.613641	0.615774
Energy ETF	0.524851	0.593553	0.434579	0.534366
Financials ETF	0.482306	0.677006	0.790214	0.575945
Health Care ETF	0.463168	0.719135	0.600805	0.578288
Industrials ETF	0.489852	0.628793	0.610739	0.548761
Information Technology ETF	0.507551	0.668108	0.693606	0.580304
Materials ETF	0.473215	0.632451	0.569748	0.575182
Real Estate ETF	0.473143	0.705773	0.598102	0.580044
Utilities ETF	0.497743	0.687902	0.679964	0.622630

```
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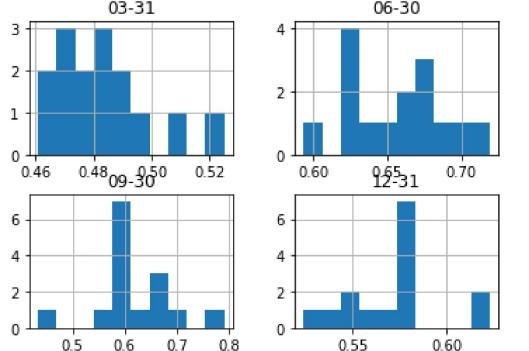
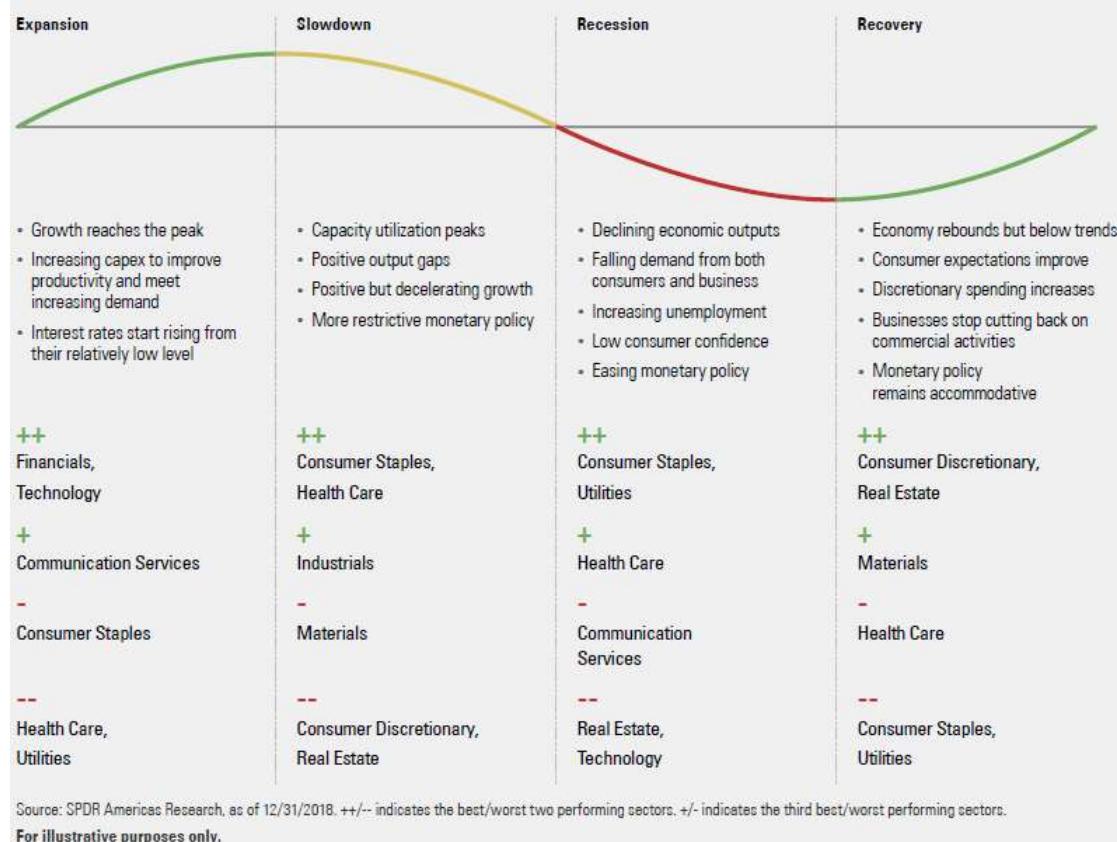


Figure 11: A Sector Roadmap for Business Cycles





Cycles

Strongest

Weakest

Expansion

Tech
Financials
Real Estate
Consumer D
Industrials
Materials
Energy
Healthcare
Cons. Staples
Utilities

Slowdown

Cons. Staples
Healthcare
Industrials
Utilities
Tech
Energy
Financials
Materials
Consumer D
Real Estate

Recession

Cons. Staples
Energy
Utilities
Healthcare
Consumer D
Materials
Industrials
Financials
Tech
Real Estate

Recovery

Real Estate
Consumer D
Materials
Tech
Industrials
Energy
Financials
Healthcare
Cons. Staples
Utilities

	Energy ETF	Utilities ETF	Consumer Staples ETF	Materials ETF	SP600	Health Care ETF	Industrials ETF	SP400	SP1500	SP500	Financials ETF	Real Estate ETF	Communication Services ETF	Information Technology ETF	Consumer Discretionary ETF
2017-03-31 00:00:00	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan
2017-06-30 00:00:00	-0.078709	0.022113	0.01040	0.026999	0.018327	0.072895	0.042167	0.031752	0.030375	0.030708	0.038955	0.017375	-0.024136	0.041388	0.028386
2017-09-30 00:00:00	0.069612	0.031518	-0.012346	0.066617	0.064962	0.040565	0.052781	0.035020	0.044807	0.045666	0.052789	0.008095	0.015498	0.083223	0.014521
2017-12-31 00:00:00	0.073946	0.000687	0.059268	0.071798	0.038747	0.018576	0.066175	0.074139	0.066880	0.069917	0.073683	0.012742	0.000763	0.093087	0.097848
2018-03-31 00:00:00	-0.078807	-0.033734	-0.073521	-0.072483	-0.011631	-0.020049	-0.033542	-0.003978	-0.021321	-0.024130	-0.015065	-0.086159	-0.085669	0.020711	-0.001942
2018-06-30 00:00:00	0.150528	0.053422	0.006353	0.036210	0.106722	0.055259	-0.008057	0.045520	0.052094	0.047568	-0.011331	0.094633	0.035862	0.080437	0.088528
2018-09-30 00:00:00	0.021911	0.019751	0.050064	0.007338	0.032842	0.137698	0.094874	0.032902	0.070536	0.078236	0.031675	0.000044	0.023115	0.117719	0.066008
2018-12-31 00:00:00	-0.267451	0.009925	-0.055862	-0.154310	-0.193040	-0.108129	-0.183620	-0.172165	-0.142834	-0.137319	-0.138848	-0.058855	-0.143117	-0.174415	-0.162070
2019-03-31 00:00:00	0.178564	0.103055	0.111156	0.126958	0.124660	0.081835	0.183161	0.157497	0.151853	0.144236	0.109942	0.173365	0.139541	0.217473	0.157197
2019-06-30 00:00:00	-0.048754	0.035855	0.036556	0.040951	0.010843	0.017469	0.034436	0.030815	0.039106	0.040369	0.067026	0.015389	0.035928	0.054745	0.040127
2019-09-30 00:00:00	-0.075658	0.090872	0.056319	-0.013089	-0.004200	-0.035439	0.004465	-0.009122	0.006291	0.011423	0.013235	0.075811	-0.002023	0.016115	0.002509
2019-12-31 00:00:00	0.054552	0.002011	0.036517	0.066971	0.082573	0.147851	0.058155	0.066590	0.090490	0.089876	0.096390	0.005745	0.086727	0.139034	0.056223
2020-03-31 00:00:00	-0.523877	-0.141270	-0.141472	-0.278876	-0.328050	-0.131539	-0.279339	-0.247693	-0.205302	-0.194477	-0.330709	-0.241350	-0.187109	-0.131215	-0.231167
2020-06-30 00:00:00	0.332245	0.024507	0.094561	0.260712	0.223617	0.164463	0.182339	0.259149	0.206715	0.201618	0.135641	0.135399	0.224230	0.318555	0.379795
2020-09-30 00:00:00	-0.188315	0.051209	0.098022	0.120651	0.032878	0.062281	0.118587	0.068091	0.086119	0.090383	0.028859	0.013268	0.097573	0.120087	0.192380
2020-12-31 00:00:00	0.300830	0.073335	0.074374	0.172363	0.312278	0.101111	0.178685	0.211458	0.132216	0.121185	0.253698	0.092916	0.182130	0.138205	0.172875
2021-03-31 00:00:00	0.324479	0.031042	0.030385	0.105419	0.184526	0.025327	0.116450	0.084662	0.070761	0.063518	0.165207	0.087920	0.083288	0.015110	0.073815
2021-06-30 00:00:00	0.126094	-0.005272	0.029888	0.049264	0.043034	0.083442	0.040613	0.033635	0.080495	0.083593	0.074954	0.115985	0.108092	0.114030	0.064435
2021-09-30 00:00:00	-0.026222	0.002739	-0.018026	-0.041816	-0.030694	0.000121	-0.043573	-0.024123	0.000378	0.002523	0.024323	-0.000098	-0.021207	0.006319	-0.012866
2021-12-31 00:00:00	0.050203	0.124048	0.115277	0.136524	0.049293	0.077925	0.080207	0.077726	0.103038	0.106772	0.042310	0.139811	-0.037011	0.141743	0.099010
2022-03-31 00:00:00	0.379204	0.034591	-0.019862	-0.014374	-0.058344	-0.045192	-0.041831	-0.089783	-0.049102	-0.049099	-0.032929	-0.065856	-0.114414	-0.090992	-0.103975
2022-06-10 00:00:00	0.157138	-0.038317	-0.056250	-0.080392	-0.094221	-0.096116	-0.121767	-0.126263	-0.133501	-0.136923	-0.144127	-0.145335	-0.186172	-0.190021	-0.213144

	2017-03-31 00:00:00	2017-06-30 00:00:00	2017-09-30 00:00:00	2017-12-31 00:00:00	2018-03-31 00:00:00	2018-06-30 00:00:00	2018-09-30 00:00:00	2018-12-31 00:00:00	2019-03-31 00:00:00	2019-06-30 00:00:00	2019-09-30 00:00:00	2019-12-31 00:00:00	2020-03-31 00:00:00	2020-06-30 00:00:00	2020-09-30 00:00:00	2020-12-31 00:00:00	2021-03-31 00:00:00	2021-06-30 00:00:00	2021-09-30 00:00:00	2021-12-31 00:00:00	2022-03-31 00:00:00	2022-06-10 00:00:00		
0	Health Care ETF	Information Technology ETF	Consumer Discretionary ETF	Information Technology ETF	Energy ETF	Health Care ETF	Utilities ETF	Information Technology ETF	Financials ETF	Utilities ETF	Health Care ETF	Information Technology ETF	Consumer Discretionary ETF	Consumer Discretionary ETF	SP600	Energy ETF	Energy ETF	Financials ETF	Information Technology ETF	Energy ETF	Energy ETF	Energy ETF	Energy ETF	
	Industrials ETF	Energy ETF	Information Technology ETF	Consumer Discretionary ETF	SP600	Information Technology ETF	Consumer Staples ETF	Industrials ETF	Information Technology ETF	Real Estate ETF	Information Technology ETF	Health Care ETF	Energy ETF	Materials ETF	Energy ETF	SP600	Real Estate ETF	Information Technology ETF	Real Estate ETF	Utilities ETF	Utilities ETF	Utilities ETF	Utilities ETF	
	Information Technology ETF	Materials ETF	SP400	SP400	Real Estate ETF	Industrials ETF	Real Estate ETF	Energy ETF	Materials ETF	Consumer Staples ETF	Financials ETF	Utilities ETF	Information Technology ETF	Information Technology ETF	Financials ETF	Financials ETF	Information Technology ETF	Utilities ETF	Materials ETF	Materials ETF	Consumer Staples ETF	Consumer Staples ETF	Consumer Staples ETF	
	Financials ETF	SP600	Energy ETF	SP600	Consumer Discretionary ETF	SP500	Health Care ETF	Real Estate ETF	SP500	Information Technology ETF	SP1500	Consumer Staples ETF	Materials ETF	Industrials ETF	SP400	Industrials ETF	Communication Services ETF	SP500	Utilities ETF	Consumer Staples ETF	Materials ETF	SP500	Communication Services ETF	
	SP400	Financials ETF	Financials ETF	Financials ETF	Information Technology ETF	SP1500	SP500	SP400	Consumer Discretionary ETF	Financials ETF	SP500	Communication Services ETF	SP400	Consumer Staples ETF	Communication Services ETF	Materials ETF	SP500	SP1500	Consumer Staples ETF	Financials ETF	SP600			
	SP500	Industrials ETF	Materials ETF	Health Care ETF	Health Care ETF	Consumer Discretionary ETF	Financials ETF	Consumer Discretionary ETF	SP1500	SP500	Communication Services ETF	SP500	Communication Services ETF	Communication Services ETF	Industrials ETF	Real Estate ETF	Health Care ETF	Health Care ETF	SP500	Industrials ETF	Health Care ETF			
	SP1500	SP500	SP500	SP1500	Utilities ETF	Consumer Staples ETF	SP1500	SP1500	Consumer Staples ETF	SP1500	SP600	SP1500	SP600	SP500	Consumer Discretionary ETF	SP400	SP1500	Real Estate ETF	SP1500	SP1500	Health Care ETF	Industrials ETF	Industrials ETF	
	Consumer Discretionary ETF	SP1500	SP1500	SP1500	SP500	SP1500	SP400	Communication Services ETF	SP500	Communication Services ETF	Industrials ETF	Materials ETF	Consumer Discretionary ETF	SP1500	SP1500	Materials ETF	Communication Services ETF	Financials ETF	Consumer Discretionary ETF	Consumer Discretionary ETF	SP500	SP400	SP400	
	Materials ETF	Health Care ETF	Industrials ETF	Industrials ETF	SP500	SP600	Materials ETF	Communication Services ETF	Utilities ETF	Consumer Discretionary ETF	SP400	Real Estate ETF	SP500	SP400	Information Technology ETF	Consumer Discretionary ETF	Consumer Discretionary ETF	Consumer Staples ETF	Industrials ETF	SP1500	SP1500	SP1500	SP1500	
	Utilities ETF	SP400	Consumer Staples ETF	Utilities ETF	SP400	Financials ETF	Consumer Discretionary ETF	Materials ETF	Industrials ETF	Communication Services ETF	Industrials ETF	SP400	Industrials ETF	Health Care ETF	SP1500	SP1500	Materials ETF	Communication Services ETF	Health Care ETF	SP600	SP600	SP500	SP500	
	SP600	Utilities ETF	SP600	Materials ETF	Materials ETF	Communication Services ETF	SP400	SP600	SP400	SP600	Consumer Discretionary ETF	Materials ETF	Health Care ETF	Utilities ETF	SP500	SP500	SP600	SP400	SP400	SP400	Real Estate ETF	Financials ETF		
	Real Estate ETF	Communication Services ETF	Health Care ETF	Consumer Staples ETF	Communication Services ETF	Energy ETF	Information Technology ETF	Consumer Staples ETF	Health Care ETF	SP400	Energy ETF	Industrials ETF	Financials ETF	SP600	Health Care ETF	Utilities ETF	Industrials ETF	Energy ETF	Energy ETF	SP400	Real Estate ETF	Real Estate ETF		
	Consumer Staples ETF	Consumer Discretionary ETF	Real Estate ETF	Energy ETF	Consumer Staples ETF	Utilities ETF	Industrials ETF	Financials ETF	Real Estate ETF	Materials ETF	Consumer Staples ETF	SP600	Real Estate ETF	Financials ETF	Real Estate ETF	Consumer Staples ETF	SP400	SP600	Information Technology ETF	Communication Services ETF				
	Communication Services ETF	Real Estate ETF	Communication Services ETF	Communication Services ETF	Industrials ETF	Materials ETF	SP600	Utilities ETF	SP600	Health Care ETF	Real Estate ETF	Financials ETF	Consumer Staples ETF	Real Estate ETF	Consumer Staples ETF	Health Care ETF	Consumer Staples ETF	Materials ETF	Financials ETF	Consumer Discretionary ETF	Information Technology ETF	Information Technology ETF		
	Energy ETF	Consumer Staples ETF	Utilities ETF	Real Estate ETF	Financials ETF	Real Estate ETF	Energy ETF	Health Care ETF	Energy ETF	Energy ETF	Utilities ETF	Energy ETF	Utilities ETF	Energy ETF	Utilities ETF	Information Technology ETF	Utilities ETF	Industrials ETF	Communication Services ETF	Communication Services ETF	Consumer Discretionary ETF	Consumer Discretionary ETF		

Comparative to Seasonal Indexes, tells you who is over or underperforming.
 This is Seasonal Index - Extrapolated Current Quarter.

+: seasonal > current

-: current > seasonal

Note if the final data in the prices ends on a quarter, this will aggregate into the seasonal_index above and there will be no comparison

2022-06-10

Information Technology ETF	0.096313
Consumer Discretionary ETF	0.095053
Energy ETF	0.075929
Materials ETF	0.065233
SP1500	0.064383
SP500	0.063601
SP600	0.063392
SP400	0.063127
Health Care ETF	0.061962
Communication Services ETF	0.059812
Real Estate ETF	0.059622
Financials ETF	0.047976
Industrials ETF	0.045803
Consumer Staples ETF	0.027809
Utilities ETF	0.020457

	2017-03-31 00:00:00	2017-06-30 00:00:00	2017-09-30 00:00:00	2017-12-31 00:00:00	2018-03-31 00:00:00	2018-06-30 00:00:00	2018-09-30 00:00:00	2018-12-31 00:00:00	2019-03-31 00:00:00	2019-06-30 00:00:00	2019-09-30 00:00:00	2019-12-31 00:00:00	2020-03-31 00:00:00	2020-06-30 00:00:00	2020-09-30 00:00:00	2020-12-31 00:00:00	2021-03-31 00:00:00	2021-06-30 00:00:00	2021-09-30 00:00:00	2021-12-31 00:00:00	2022-03-31 00:00:00	2022-06-10 00:00:00
0	Utilities ETF	Energy ETF	Consumer Discretionary ETF	Consumer Discretionary ETF	Energy ETF	Health Care ETF	Utilities ETF	Information Technology ETF	Utilities ETF	Real Estate ETF	Health Care ETF	Health Care ETF	Consumer Discretionary ETF	Consumer Discretionary ETF	Energy ETF	Energy ETF	Real Estate ETF	Energy ETF	Real Estate ETF	Energy ETF	Energy ETF	Information Technology ETF
	Health Care ETF	SP600	Energy ETF	SP400	Utilities ETF	Energy ETF	Real Estate ETF	Real Estate ETF	Financials ETF	Utilities ETF	Information Technology ETF	Consumer Staples ETF	Energy ETF	Materials ETF	SP600	SP600	Communication Services ETF	Financials ETF	Utilities ETF	Utilities ETF	Utilities ETF	Consumer Discretionary ETF
	Industrials ETF	Materials ETF	Industrials ETF	Information Technology ETF	SP600	Industrials ETF	Consumer Staples ETF	Industrials ETF	Consumer Staples ETF	Consumer Staples ETF	Communication Services ETF	Information Technology ETF	Information Technology ETF	Communication Services ETF	Financials ETF	Financials ETF	Energy ETF	Real Estate ETF	Materials ETF	Materials ETF	Energy ETF	Energy ETF
	Financials ETF	Financials ETF	Information Technology ETF	SP600	Real Estate ETF	Information Technology ETF	Health Care ETF	Consumer Discretionary ETF	Industrials ETF	Financials ETF	SP1500	Utilities ETF	SP400	Industrials ETF	Communication Services ETF	Materials ETF	Financials ETF	Utilities ETF	Information Technology ETF	Consumer Staples ETF	Materials ETF	Materials ETF
	Consumer Staples ETF	Information Technology ETF	SP400	Financials ETF	Health Care ETF	SP500	Communication Services ETF	SP400	Communication Services ETF	SP600	SP500	Communication Services ETF	Materials ETF	Consumer Staples ETF	SP400	Industrials ETF	Health Care ETF	Health Care ETF	Consumer Staples ETF	Financials ETF	SP1500	
	SP400	SP400	SP500	Health Care ETF	Consumer Staples ETF	SP1500	SP500	Communication Services ETF	SP500	Communication Services ETF	SP500	Financials ETF	SP500	Communication Services ETF	Information Technology ETF	Industrials ETF	Communication Services ETF	SP500	SP1500	SP500	Health Care ETF	SP500
	SP500	Industrials ETF	SP1500	SP1500	SP1500	SP1500	Consumer Staples ETF	SP1500	SP1500	Materials ETF	SP400	SP600	SP1500	SP400	Consumer Discretionary ETF	Real Estate ETF	SP1500	SP500	SP1500	Industrials ETF	SP600	
	SP1500	SP1500	Consumer Staples ETF	SP500	Consumer Discretionary ETF	SP600	Financials ETF	SP500	SP1500	SP500	Industrials ETF	SP1500	SP500	SP500	Materials ETF	SP400	Consumer Staples ETF	Communication Services ETF	Consumer Discretionary ETF	SP500	SP400	
	Materials ETF	SP500	Materials ETF	Industrials ETF	SP500	Consumer Discretionary ETF	Materials ETF	Materials ETF	SP400	SP1500	SP400	SP400	Real Estate ETF	Industrials ETF	SP1500	SP1500	Consumer Discretionary ETF	Information Technology ETF	SP400	Industrials ETF	SP1500	Health Care ETF
	Real Estate ETF	Health Care ETF	Financials ETF	Utilities ETF	SP400	SP400	Consumer Discretionary ETF	SP600	Real Estate ETF	Energy ETF	Energy ETF	SP400	SP500	Health Care ETF	SP500	SP500	SP1500	Industrials ETF	SP600	Health Care ETF	Real Estate ETF	Communication Services ETF
	SP600	Communication Services ETF	Communication Services ETF	Materials ETF	Communication Services ETF	Financials ETF	Industrials ETF	Financials ETF	Health Care ETF	Industrials ETF	Materials ETF	Materials ETF	Health Care ETF	SP600	Information Technology ETF	SP500	Utilities ETF	Consumer Staples ETF	SP400	SP600	Real Estate ETF	
	Information Technology ETF	Utilities ETF	SP600	Communication Services ETF	Information Technology ETF	Communication Services ETF	SP400	Consumer Staples ETF	Information Technology ETF	Materials ETF	Consumer Discretionary ETF	Industrials ETF	Financials ETF	Utilities ETF	Real Estate ETF	Consumer Staples ETF	Materials ETF	Information Technology ETF	Energy ETF	SP400	Financials ETF	
	Consumer Discretionary ETF	Real Estate ETF	Real Estate ETF	Consumer Staples ETF	Materials ETF	Real Estate ETF	Information Technology ETF	Energy ETF	SP600	Consumer Discretionary ETF	Consumer Staples ETF	Financials ETF	Real Estate ETF	Financials ETF	Health Care ETF	Health Care ETF	SP600	Consumer Discretionary ETF	SP600	Communication Services ETF	Industrials ETF	
	Communication Services ETF	Consumer Discretionary ETF	Health Care ETF	Real Estate ETF	Industrials ETF	Utilities ETF	SP600	Utilities ETF	Consumer Discretionary ETF	Information Technology ETF	Real Estate ETF	SP600	Consumer Staples ETF	Real Estate ETF	Utilities ETF	Utilities ETF	SP400	Materials ETF	Financials ETF	Consumer Discretionary ETF	Consumer Staples ETF	
	Energy ETF	Consumer Staples ETF	Utilities ETF	Energy ETF	Financials ETF	Materials ETF	Energy ETF	Health Care ETF	Utilities ETF	Energy ETF	Utilities ETF	Energy ETF	Energy ETF	Consumer Staples ETF	Information Technology ETF	Industrial ETF	Communication Services ETF	Information Technology ETF	Utilities ETF			

Symbol

SP1500 SPTM

SP500 SPY

SP600 SLY

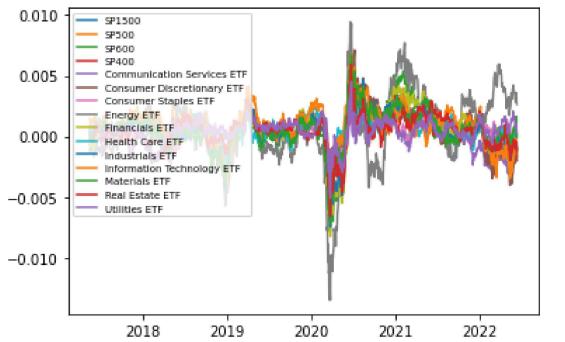
SP400 MDYG

Index Symbol risk_trend_factor

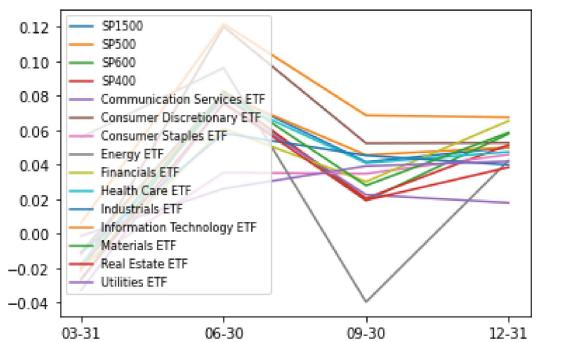
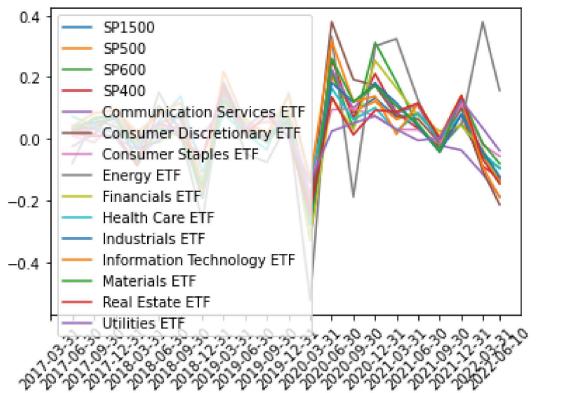
0	SP500	SPY	-4.314957
1	SP1500	SPTM	-4.323114
2	SP600	SLY	-5.831833
3	SP400	MDYG	-5.932476

Symbol	risk_trend_factor	Sector
3	VDE	3.378308 Energy ETF
10	VPU	-0.903846 Utilities ETF
2	VDC	-1.815370 Consumer Staples ETF
8	VAW	-2.983225 Materials ETF
9	VNQ	-3.885849 Real Estate ETF
5	VHT	-3.947143 Health Care ETF
6	VIS	-5.096830 Industrials ETF
1	VCR	-5.274843 Consumer Discretionary ETF
4	VFH	-5.669687 Financials ETF
7	VGT	-6.117689 Information Technology ETF
0	VOX	-9.183162 Communication Services ETF

Rolling Quarterly Mean Return

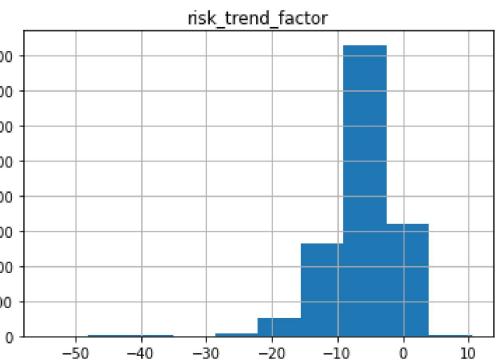


Quarterly Returns



2.2634783422537827

```
array([[<AxesSubplot:title={'center':'risk_trend_factor'}>]]], dtype=object)
```



```
Index(['Symbol', 'max_2y', 'min_2y', 'std_2y', 'mean_2y', 'max_1y', 'min_1y',
       'std_1y', 'mean_1y', 'latest_p', '2yr_close_0pct', '2yr_close_2pct',
       '2yr_close_9pct', '2yr_close_25pct', '2yr_close_50pct',
       '2yr_close_75pct', '2yr_close_91pct', '2yr_close_98pct',
       '2yr_close_100pct', '1yr_close_0pct', '1yr_close_2pct',
       '1yr_close_9pct', '1yr_close_25pct', '1yr_close_50pct',
       '2yr_close_75pct', '1yr_close_91pct', '1yr_close_98pct',
       '1yr_close_100pct', 'risk_trend_factor', 'supply_trend_1yr',
       'supply_trend_180d', 'supply_trend_90d', 'supply_trend_60d',
       'supply_trend_30d', 'vol_30d_2yr', 'pct_1yr', 'pct_2yr',
       'MIN_Lookback_One_Year', 'MIN_Lookback_6_Months',
       'MIN_Lookback_2_Months', 'MIN_Lookback_1_Months', 'volume_factor',
       'adf', 'hurst', 'Sector'],
      dtype='object')
```

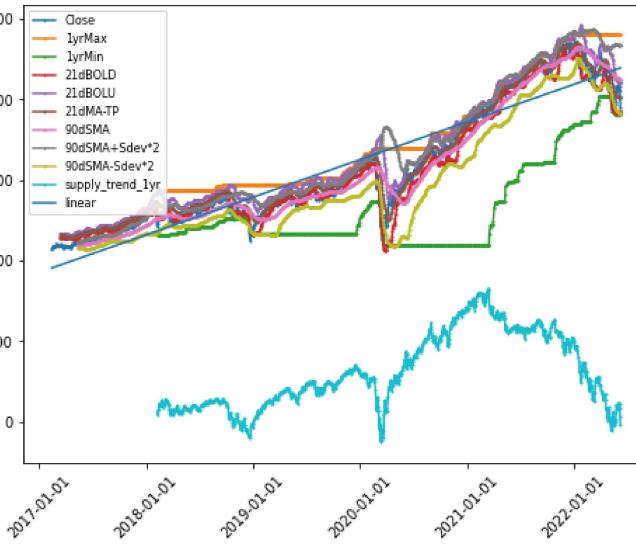
Symbol	latest_p	risk_trend_factor	adf	hurst	Sector	vol_30d_2yr
0	MTOR	36.119999	10.517268	0.308552	0.433895	error
1	Y	834.109985	7.384772	0.389055	0.457411	Financial Services
2	TVTY	32.279999	5.39315	0.524133	0.449983	error
3	MCK	313.339996	4.004949	0.998714	0.463166	Healthcare
4	ACC	64.769997	3.917188	0.981927	0.416828	error
5	CVX	175.399994	3.856637	0.97985	0.498334	Energy
6	EQT	47.959999	3.747308	0.932879	0.501911	Energy
7	LNTH	63.849998	3.540933	0.990883	0.532857	Healthcare
8	SWX	91.889999	3.530074	0.284442	0.398907	Utilities
9	MPC	108.339996	3.513423	0.991702	0.523957	Energy
10	MUSA	237.960007	3.50354	0.99617	0.410367	Consumer Cyclical
11	SJI	34.060001	3.390476	0.165217	0.413386	Utilities
12	VDE	123.860001	3.378308	0.947803	0.52196	error
13	XOM	100.459999	3.314307	0.977852	0.536671	Energy
14	DVN	74.059998	3.254185	0.994381	0.555599	Energy
15	MRO	30.290001	3.229066	0.972772	0.54597	Energy
16	PBF	40.330002	3.225693	0.730477	0.555776	Energy
17	APA	48.810001	3.199621	0.443494	0.44772	Energy
18	CTRA	34.310001	3.192947	0.507048	0.467954	Energy
19	COP	116.830002	3.181252	0.992942	0.491541	Energy
20	VLO	140.509995	3.155888	0.970961	0.536721	Energy
21	EOG	144.0	3.013262	0.922673	0.487021	Energy
22	WRB	68.260002	2.908126	0.965152	0.455795	Financial Services
23	HES	127.720001	2.88093	0.97499	0.449233	Energy
24	CEIX	52.91	2.853516	0.933936	0.522101	Energy
25	FANG	155.490005	2.734463	0.837164	0.472651	Energy
26	CIVI	80.660004	2.668131	0.020246	0.49614	Energy
27	NFG	72.650002	2.655036	0.982328	0.468009	Energy
28	PDCE	84.129997	2.633596	0.76826	0.495944	Energy
29	OXY	63.869999	2.620612	0.777852	0.546207	Energy
30	PXD	270.869995	2.603258	0.935146	0.498349	Energy
31	CNX	23.24	2.576298	0.784231	0.406859	Energy
32	MTDR	65.230003	2.551954	0.987482	0.46805	Energy
33	DINO	56.369999	2.525424	0.412505	0.562704	Energy
34	HRB	35.450001	2.371017	0.838883	0.43511	Consumer Cyclical
35	MUR	44.150002	2.319887	0.869435	0.455651	Energy
36	SM	50.560001	2.268271	0.976245	0.479096	Energy
37	RRC	34.439999	2.265651	0.784588	0.495379	Energy

```
\nabove_1yearSDev = screener_good[screener_good['latest_p']>screener['mean_1y']+screener_good['std_1y']]['Symbol'].values\nabove_2yearSDev = screener_good[screener_good['latest_p']>screener['mean_2y']+screener_good['std_2y']]['Symbol'].values\nabove_yearSDev = np.intersect1d(above_1yearSDev,above_2yearSDev)\n
```

```
\nabove_2year_t = screener[screener['pct_2yr']>threshold]['Symbol'].values\nabove_1year_t = screener[screener['pct_1yr']>threshold]['Symbol'].values\nabove_years_t = np.intersect1d(above_2year_t,above_1year_t)\n
```

```
DatetimeIndex(['2022-06-12', '2022-06-19', '2022-06-26', '2022-07-03',\n                '2022-07-10', '2022-07-17', '2022-07-24', '2022-07-31',\n                '2022-08-07', '2022-08-14', '2022-08-21', '2022-08-28',\n                '2022-09-04'],\n               dtype='datetime64[ns]', freq='W-SUN')
```

adf < .05 or .01, mean reverting
 Hurst
 > .5 - The time series is mean reverting.
 = .5 - The time series is a Geometric Brownian Motion.
 < .5 - The time series is trending.
 SPY
 Index: SP500
 supply trend: 1781380150.6807866
 risk trend factor: -4.314957039491863



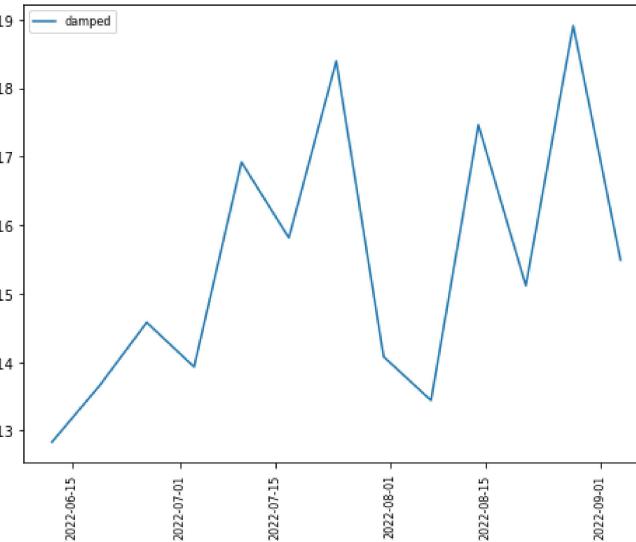
totalAssets trailingPE
 SPY 3.781762e+11 4.292843
 2022-06-10

21dBOLD 21dMA-TP 21dBOLU

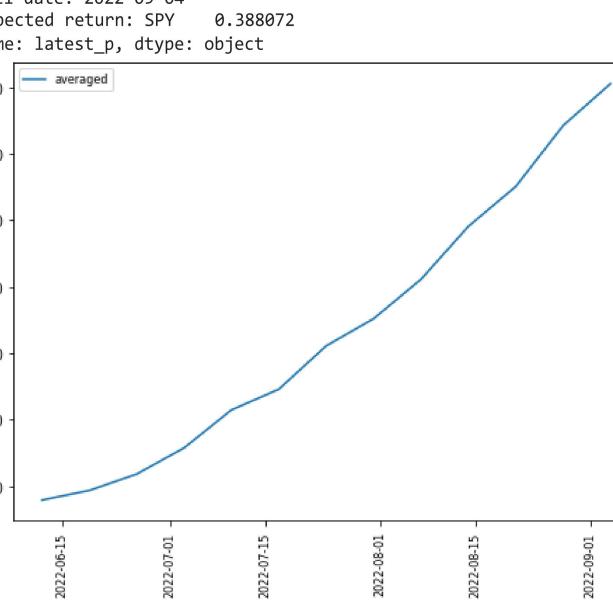
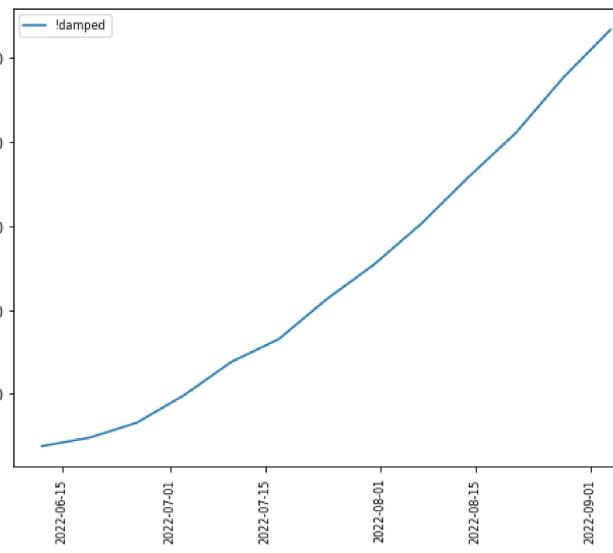
2022-06-10 384.809441 402.729524 420.649606

	volume_factor	latest_p	vol_30d_2yr	pct_2yr	adf	hurst
SPY	1.065993	389.799988	1781380150.680787	0.501905	0.730083	0.423507

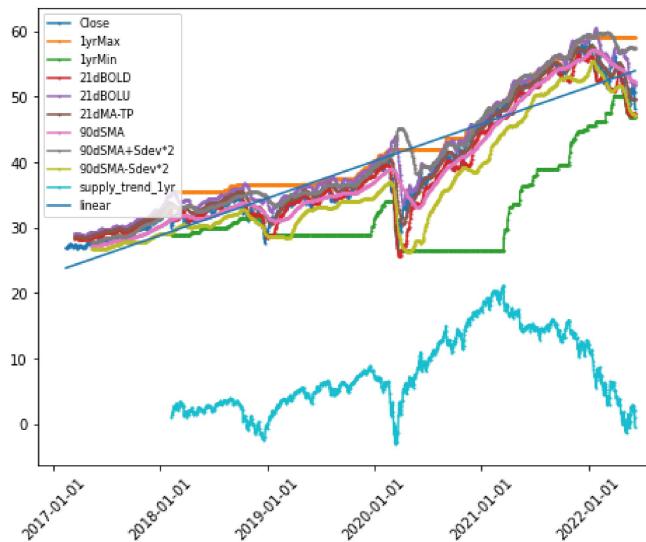
ets next 13 weeks
 sell date: 2022-08-28
 expected return: SPY 0.074683
 Name: latest_p, dtype: object



sell date: 2022-08-28
 expected return: SPY 0.710236
 Name: latest_p, dtype: object



```
11
['options', ('2022-06-17', '2022-06-30', '2022-09-16', '2022-09-30', '2022-12-16', '2023-01-20', '2023-03-17', '2023-06-16', '2023-12-15', '2024-01-19', '2024-12-20')]
SPTM
Index: SP1500
supply trend: 10701430.030257186
risk trend factor: -4.323113872768143
```



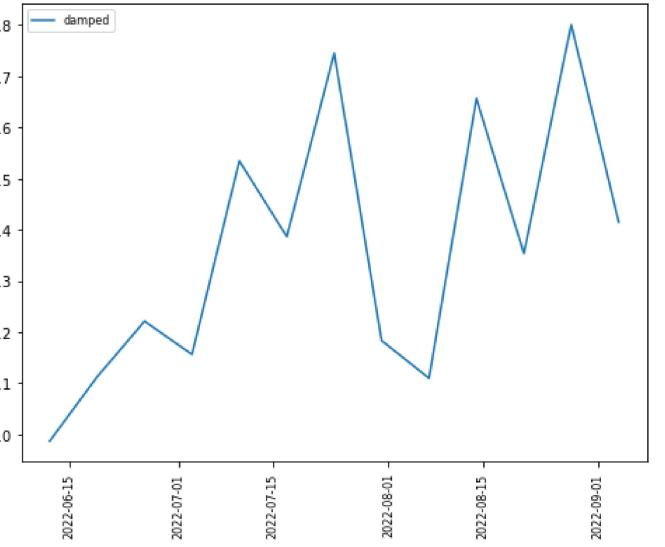
```
Empty DataFrame
Columns: []
Index: [SPTM]
2022-06-10
```

21dBOLD 21dMA-TP 21dBOLU

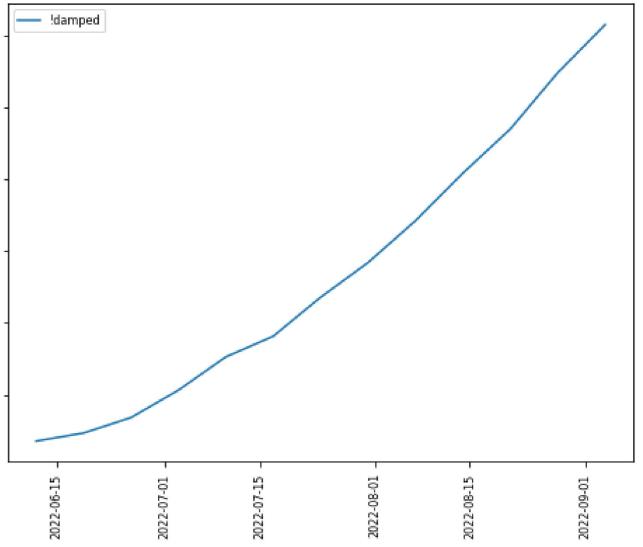
2022-06-10 47.422277 49.676984 51.931691

	volume_factor	latest_p	vol_30d_2yr	pct_2yr	adf	hurst
SPTM	1.445517	48.16	10701430.030257	0.514882	0.731043	0.430862

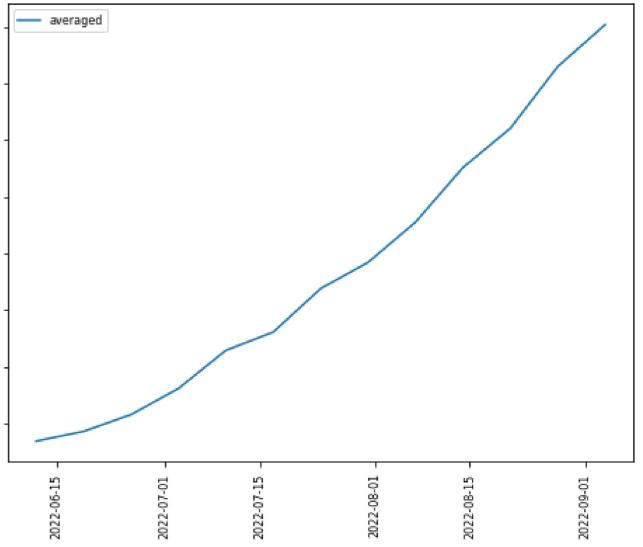
ets next 13 weeks
sell date: 2022-08-28
expected return: SPTM 0.075596
Name: latest_p, dtype: object



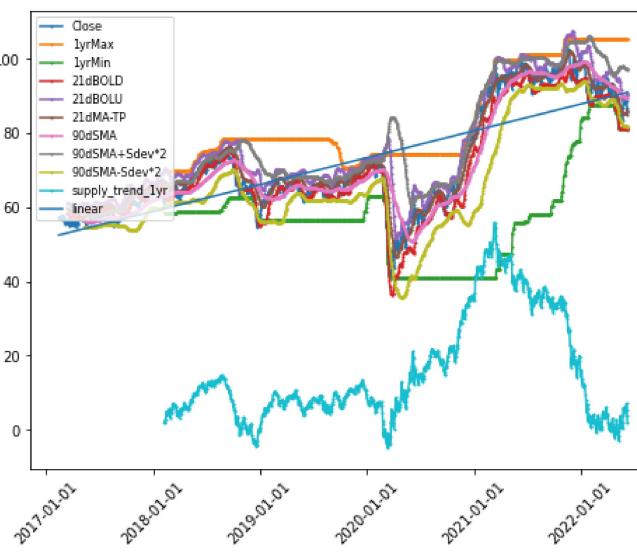
sell date: 2022-08-28
expected return: SPTM 0.676266
Name: latest_p, dtype: object



sell date: 2022-09-04
expected return: SPTM 0.371926
Name: latest_p, dtype: object



```
1
['options', ('2022-06-17',)]
SLY
Index: SP600
supply trend: 1733621.860816944
risk trend factor: -5.831832561133962
```



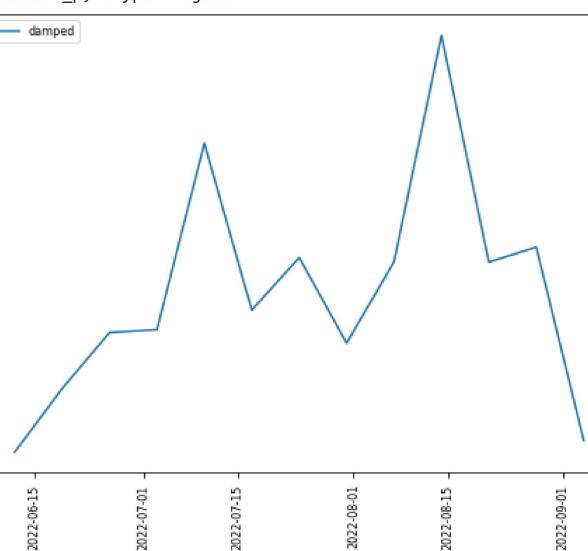
```
Empty DataFrame
Columns: []
Index: [SLY]
2022-06-10
```

21dBOLD 21dMA-TP 21dBOLU

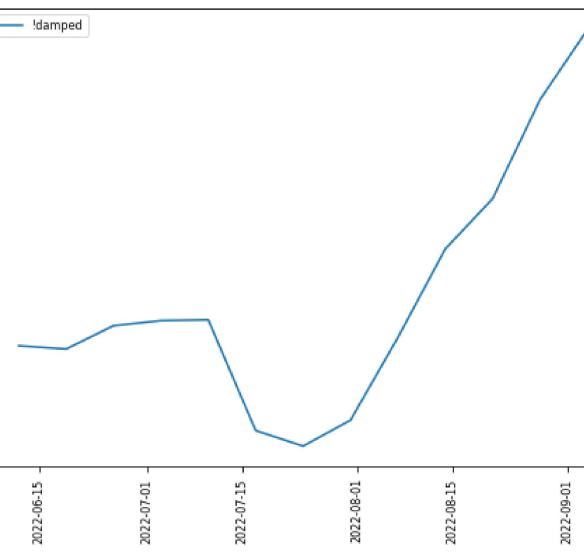
2022-06-10 81.56592 86.101746 90.637572

	volume_factor	latest_p	vol_30d_2yr	pct_2yr	adf	hurst
SLY	1.265097	84.790001	1733621.860817	0.58507	0.631357	0.516612

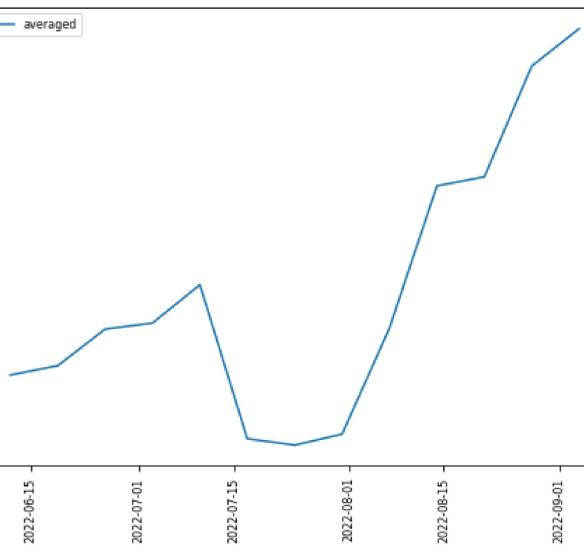
sets next 13 weeks
sell date: 2022-08-14
expected return: SLY 0.07794
Name: latest_p, dtype: object



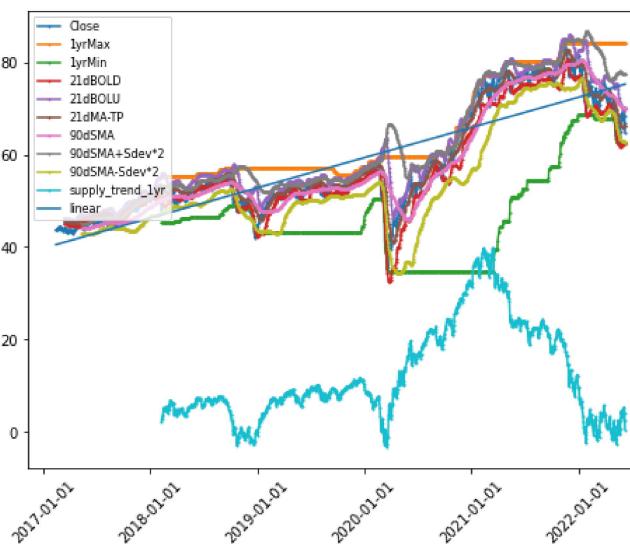
sell date: 2022-08-14
expected return: SLY 0.191511
Name: latest_p, dtype: object



sell date: 2022-09-04
 expected return: SLY 0.121174
 Name: latest_p, dtype: object



MDYG
 Index: SP400
 supply trend: 3870598.865355522
 risk trend factor: -5.932475578582748



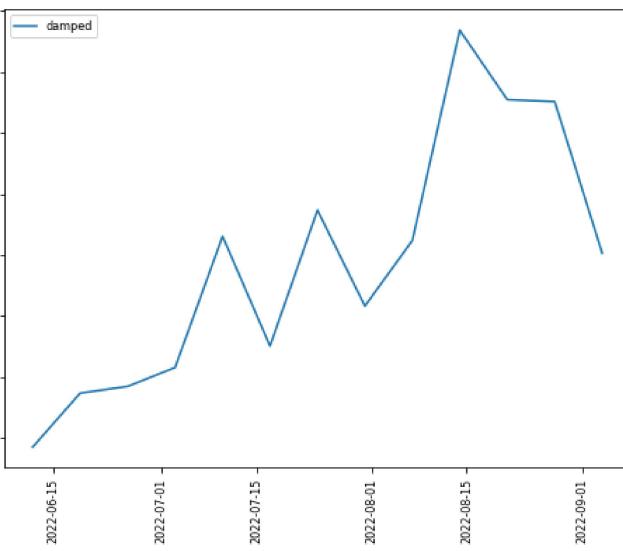
Empty DataFrame
 Columns: []
 Index: [MDYG]
 2022-06-10

21dBOLD 21dMA-TP 21dBOLU

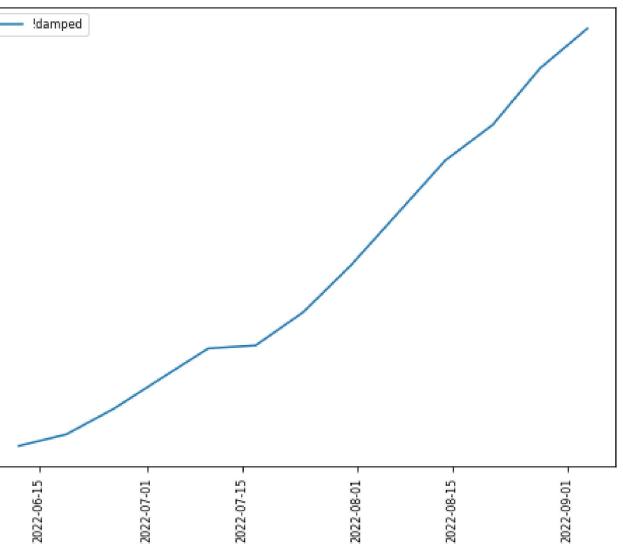
2022-06-10 62.654627 66.371428 70.088229

	volume_factor	latest_p	vol_30d_2yr	pct_2yr	adf	hurst
MDYG	0.727588	64.839996	3870598.865356	0.405859	0.564973	0.453632

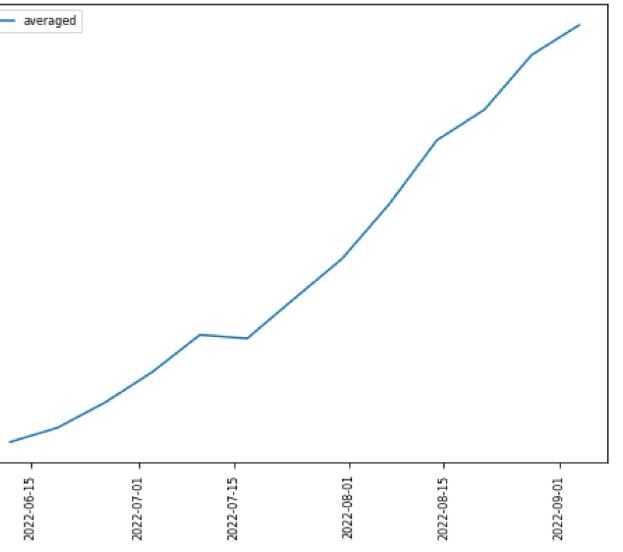
ets next 13 weeks
sell date: 2022-08-14
expected return: MDYG 0.086052
Name: latest_p, dtype: object



sell date: 2022-08-14
expected return: MDYG 0.524185
Name: latest_p, dtype: object



sell date: 2022-09-04
expected return: MDYG 0.298088
Name: latest_p, dtype: object



```
1
['options', ('2022-06-17',)]
VDE
Sector: Energy ETF
supply trend: 15894021.482602118
risk trend factor: 3.3783083383264243
```



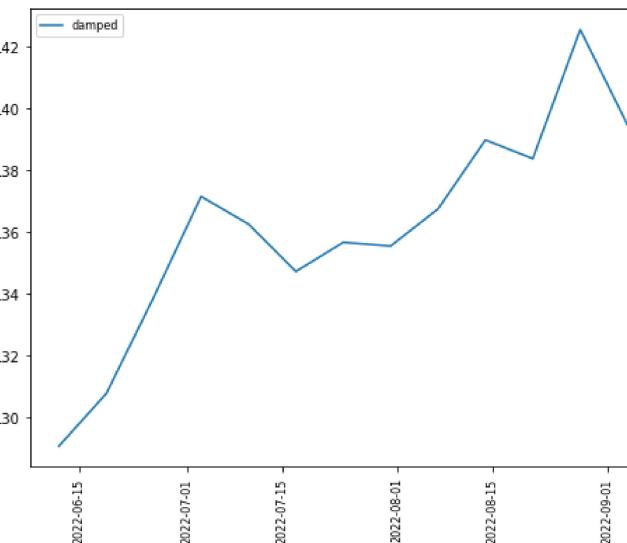
```
totalAssets trailingPE
VDE 1.106882e+10 10.692059
2022-06-10
```

21dBOLD 21dMA-TP 21dBOLU

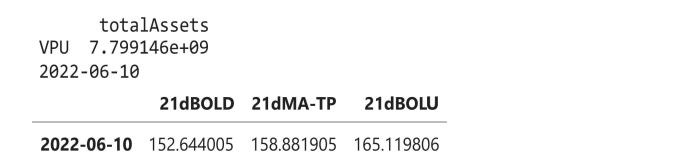
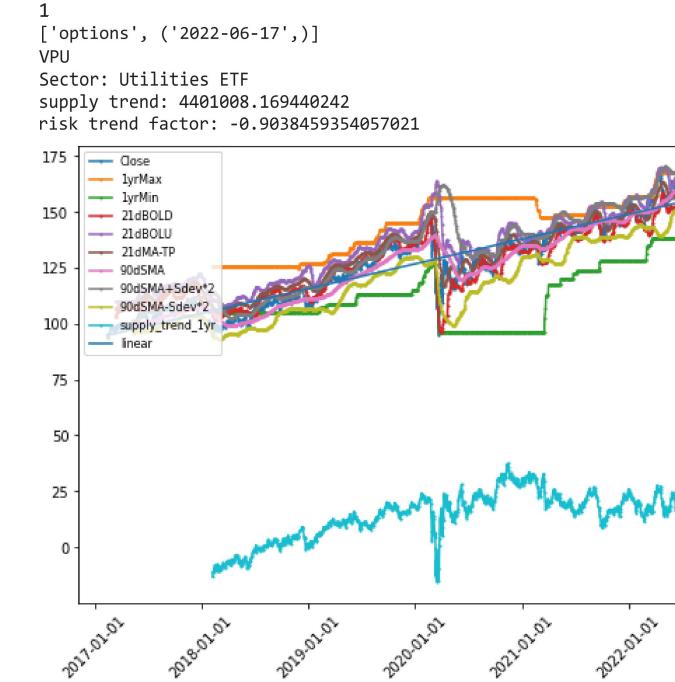
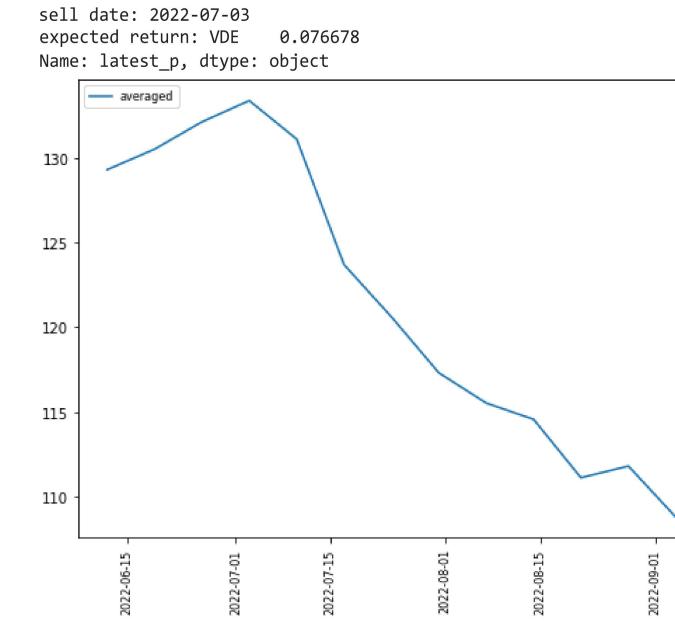
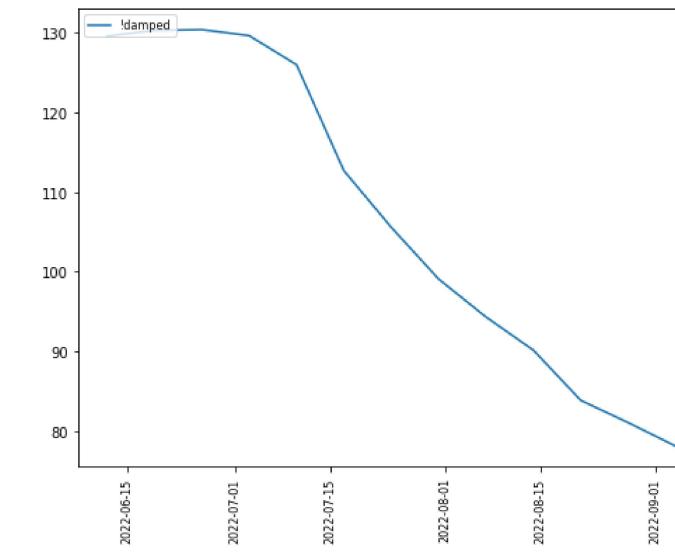
2022-06-10 107.166137 119.294921 131.423705

	volume_factor	latest_p	vol_30d_2yr	pct_2yr	adf	hurst
VDE	1.169962	123.860001	15894021.482602	0.930759	0.947803	0.52196

ets next 13 weeks
sell date: 2022-08-28
expected return: VDE 0.150709
Name: latest_p, dtype: object

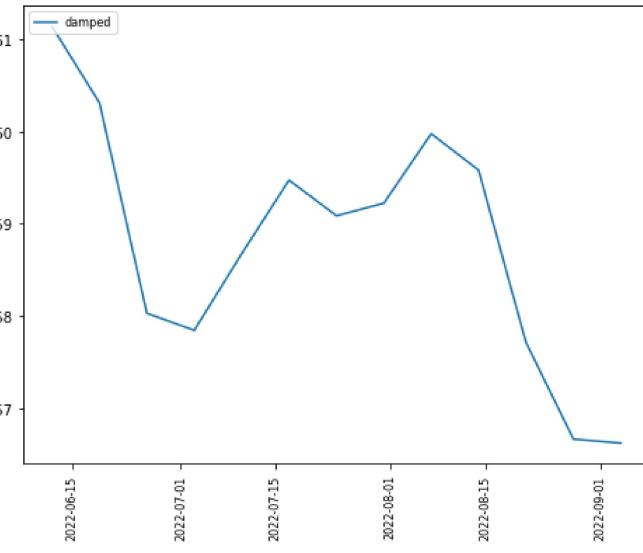


sell date: 2022-08-28
expected return: VDE 0.052305
Name: latest_p, dtype: object

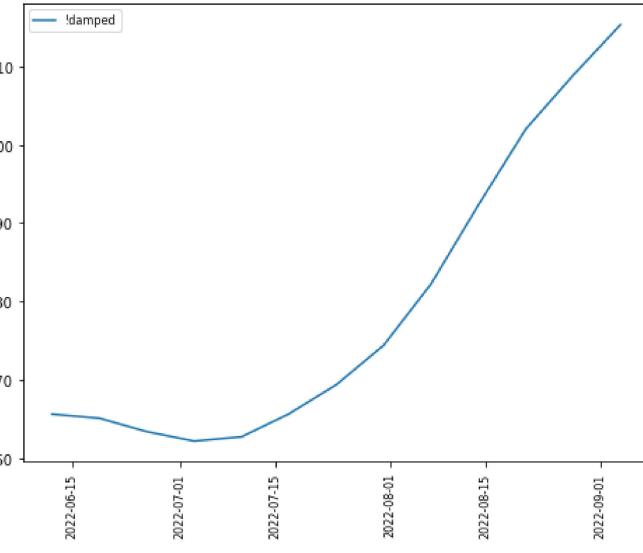


volume_factor	latest_p	vol_30d_2yr	pct_2yr	adf	hurst	
VPU	1.073413	155.610001	4401008.16944	0.750053	0.731044	0.299247

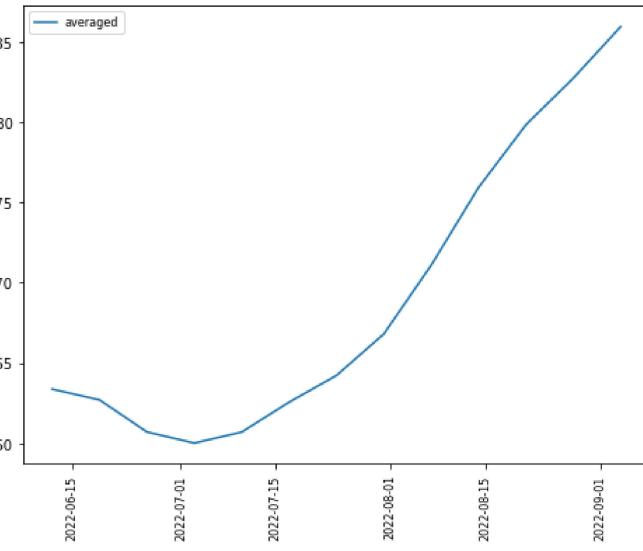
ets next 13 weeks
sell date: 2022-06-12
expected return: VPU 0.035535
Name: latest_p, dtype: object



sell date: 2022-06-12
expected return: VPU 0.383804
Name: latest_p, dtype: object



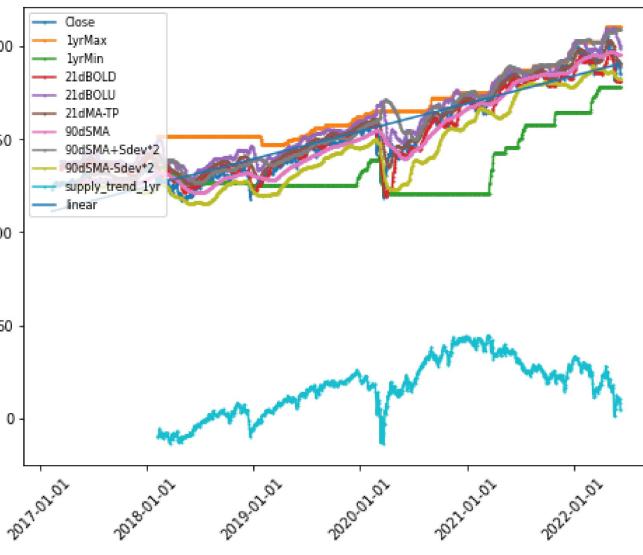
sell date: 2022-09-04
expected return: VPU 0.195149
Name: latest_p, dtype: object



```

1
['options', ('2022-06-17',)]
VDC
Sector: Consumer Staples ETF
supply trend: 3239531.5431164904
risk trend factor: -1.81537011564274

```



21dBOLD 21dMA-TP 21dBOLU

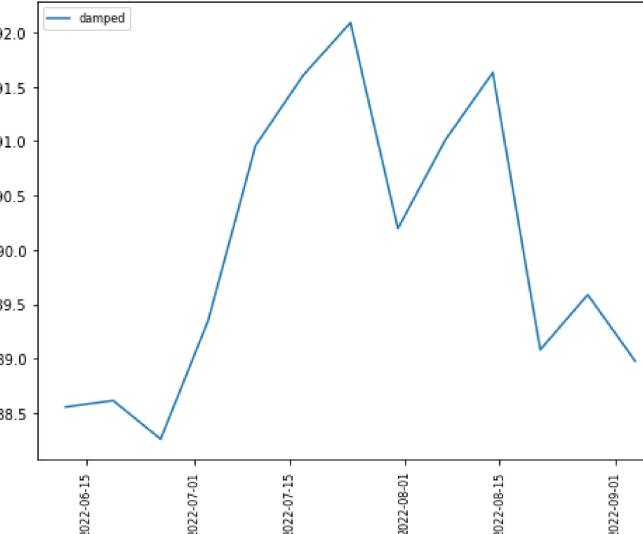
2022-06-10 180.713861 189.626984 198.540108

	volume_factor	latest_p	vol_30d_2yr	pct_2yr	adf	hurst
VDC	1.521146	184.889999	3239531.543116	0.610012	0.828818	0.357333

```

ets next 13 weeks
sell date: 2022-07-24
expected return: VDC 0.038928
Name: latest_p, dtype: object

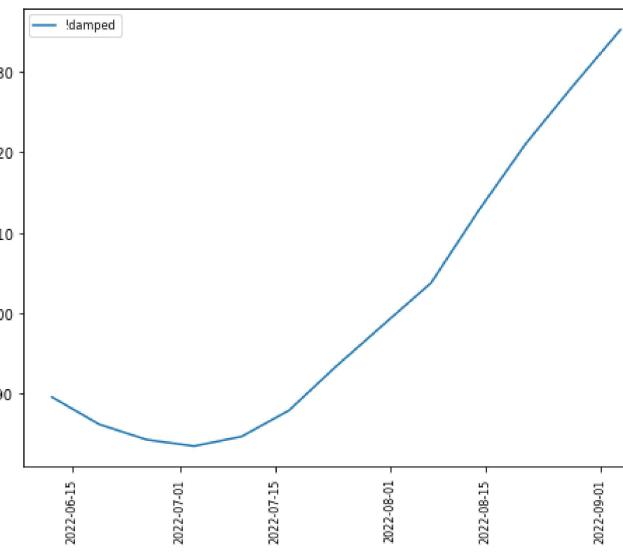
```



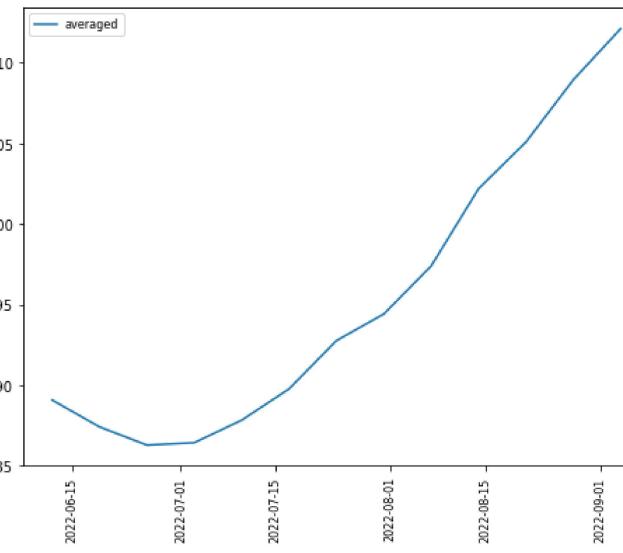
```

sell date: 2022-07-24
expected return: VDC 0.272182
Name: latest_p, dtype: object

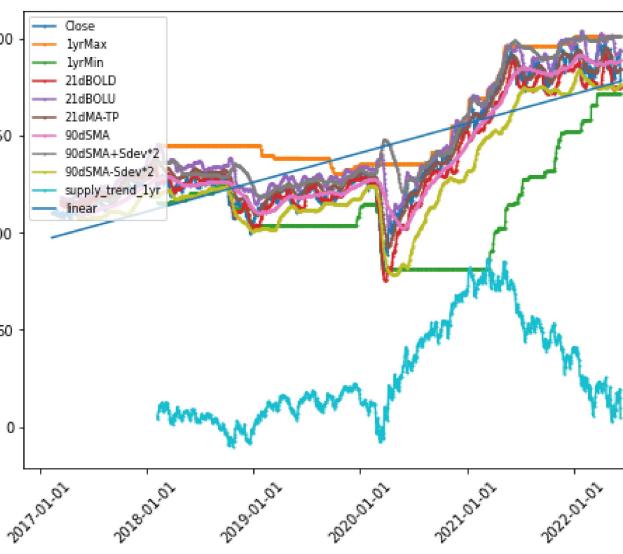
```



sell date: 2022-09-04
expected return: VDC 0.147143
Name: latest_p, dtype: object



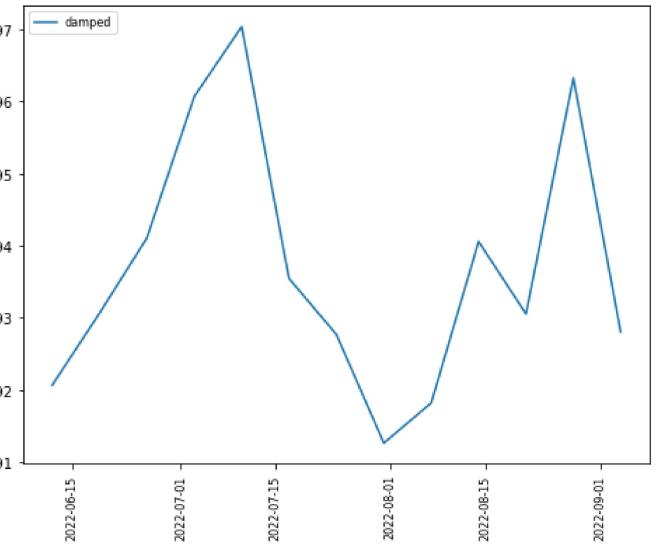
```
1
['options', ('2022-07-15',)]
VAW
Sector: Materials ETF
supply trend: 2531724.1301059
risk trend factor: -2.9832247911376593
```



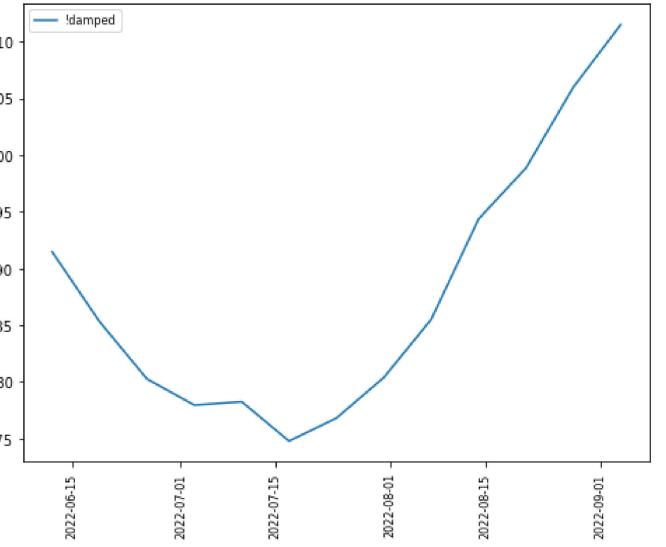
totalAssets
VAW 5.085875e+09
2022-06-10
21dBOLD 21dMA-TP 21dBOLU
2022-06-10 175.041332 184.631904 194.222476

volume_factor	latest_p	vol_30d_2yr	pct_2yr	adf	hurst
VAW	1.136419	178.449997	2531724.130106	0.735836	0.8001

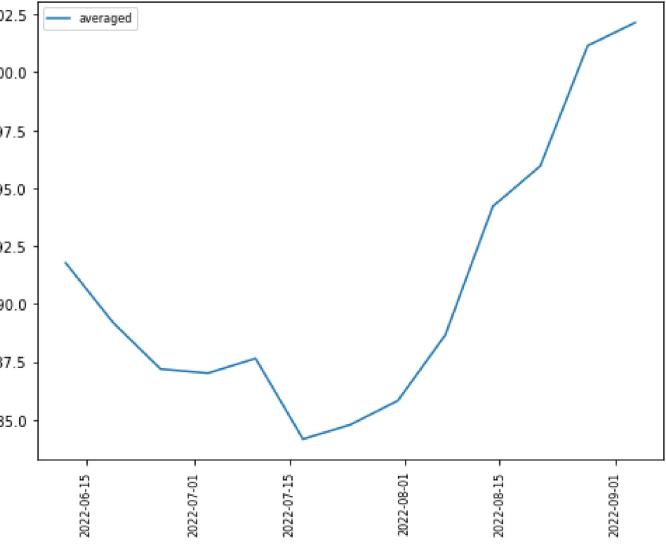
ets next 13 weeks
sell date: 2022-07-10
expected return: VAW 0.104175
Name: latest_p, dtype: object



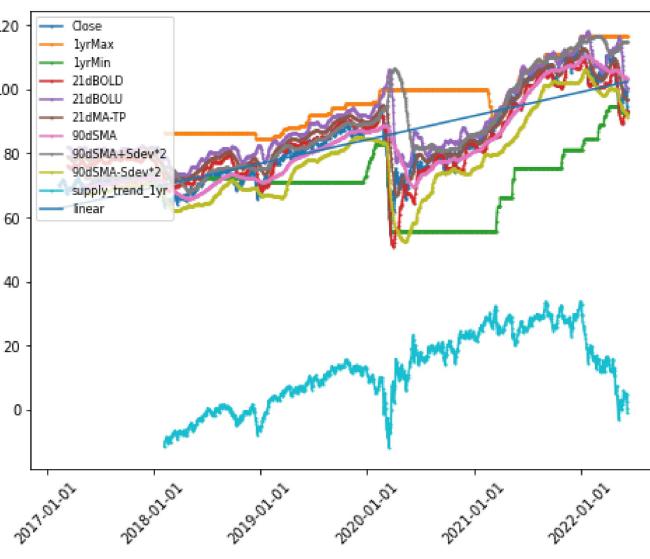
sell date: 2022-07-10
expected return: VAW 0.185153
Name: latest_p, dtype: object



sell date: 2022-09-04
expected return: VAW 0.132782
Name: latest_p, dtype: object



```
1
['options', ('2022-08-19',)]
VNQ
Sector: Real Estate ETF
supply trend: 111305975.03782149
risk trend factor: -3.885849288582038
```



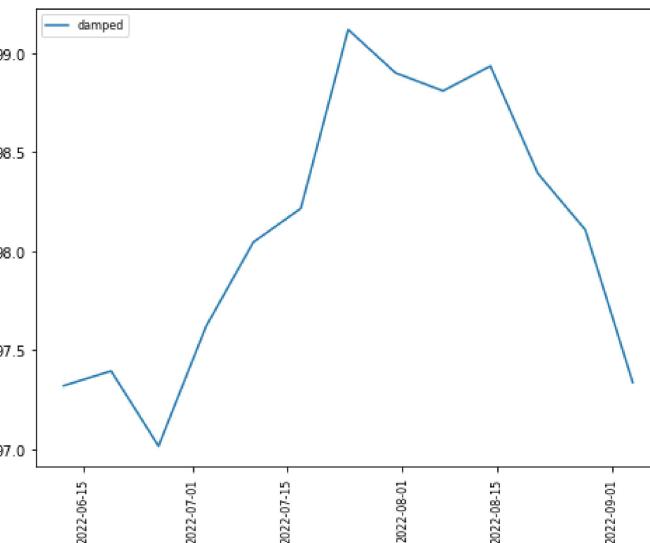
```
totalAssets
VNQ 7.839537e+10
2022-06-10
```

```
21dBOLD 21dMA-TP 21dBOLU
```

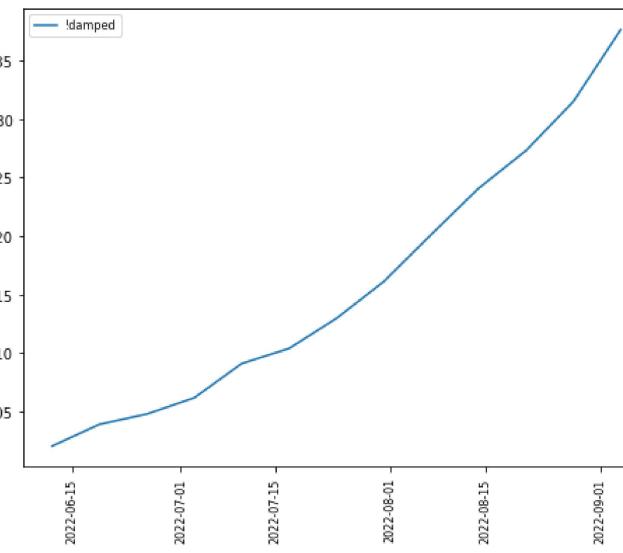
```
2022-06-10 93.076579 96.729683 100.382786
```

	volume_factor	latest_p	vol_30d_2yr	pct_2yr	adf	hurst
VNQ	1.031909	92.620003	111305975.037821	0.416	0.514654	0.397188

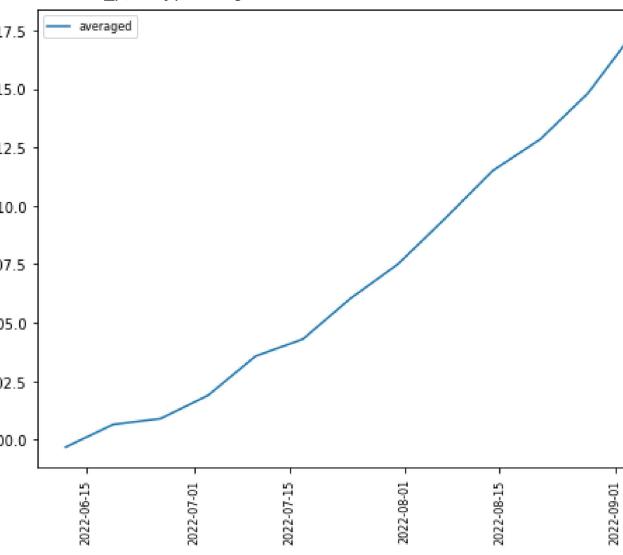
```
ets next 13 weeks
sell date: 2022-07-24
expected return: VNQ 0.070153
Name: latest_p, dtype: object
```



```
sell date: 2022-07-24
expected return: VNQ 0.486055
Name: latest_p, dtype: object
```

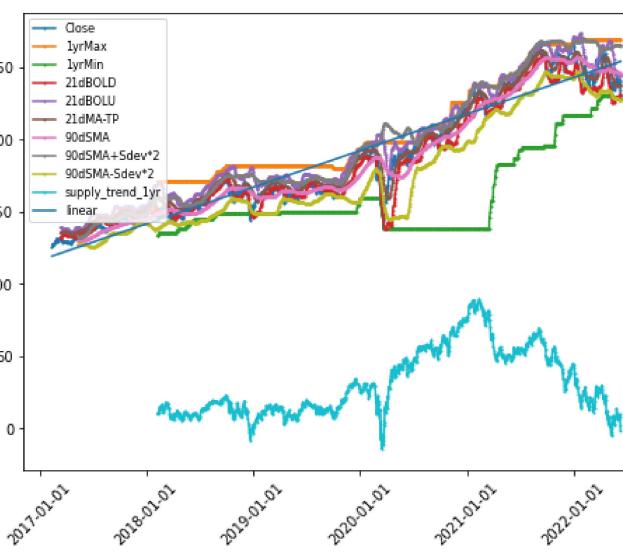


sell date: 2022-09-04
 expected return: VNQ 0.268503
 Name: latest_p, dtype: object



3
 ['options', ('2022-06-17', '2023-01-20', '2024-01-19')]

VHT
 Sector: Health Care ETF
 supply trend: 5096065.052950076
 risk trend factor: -3.9471429756913072



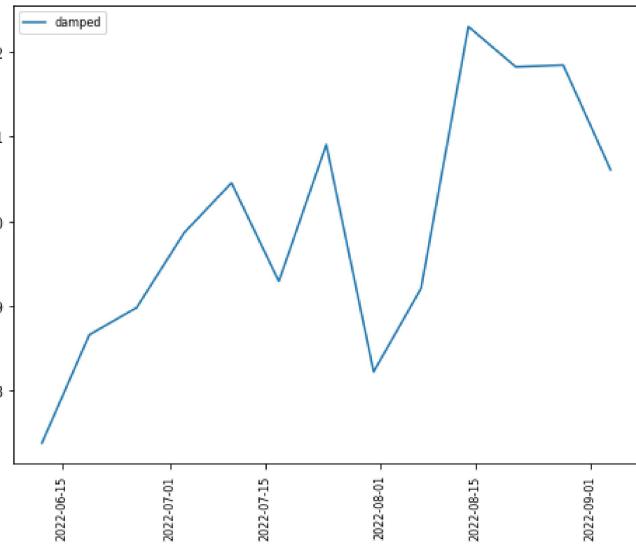
totalAssets trailingPE
 VHT 1.944618e+10 5.167231
 2022-06-10

21dBOLD 21dMA-TP 21dBOLU

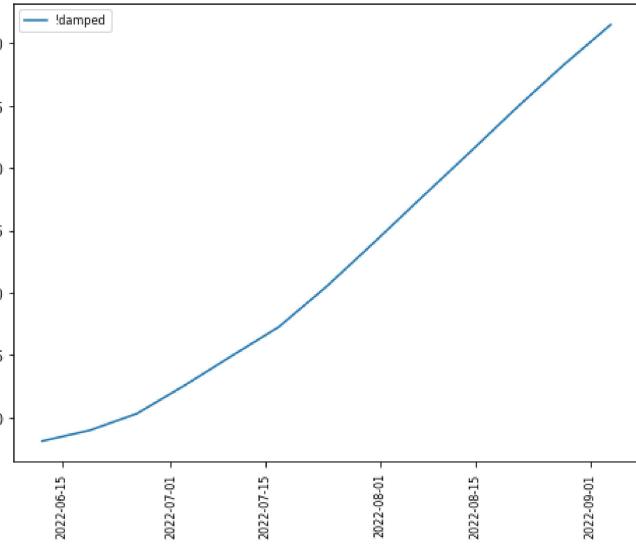
2022-06-10 231.084711 237.690476 244.296241

	volume_factor	latest_p	vol_30d_2yr	pct_2yr	adf	hurst
VHT	0.947476	229.929993	5096065.05295	0.525621	0.693779	0.333477

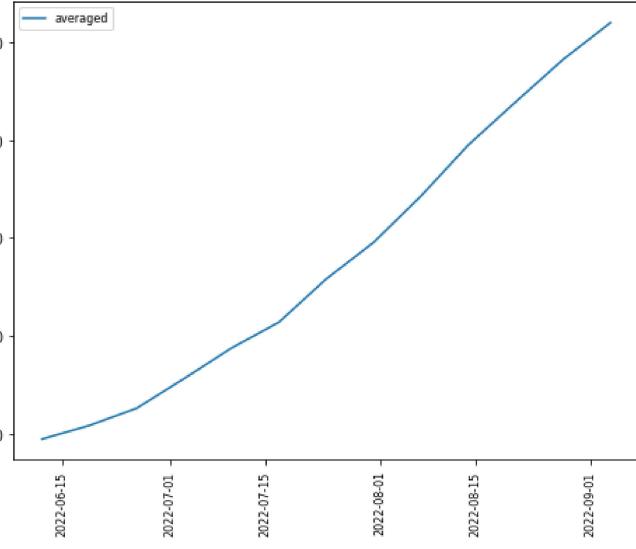
ets next 13 weeks
sell date: 2022-08-14
expected return: VHT 0.053786
Name: latest_p, dtype: object



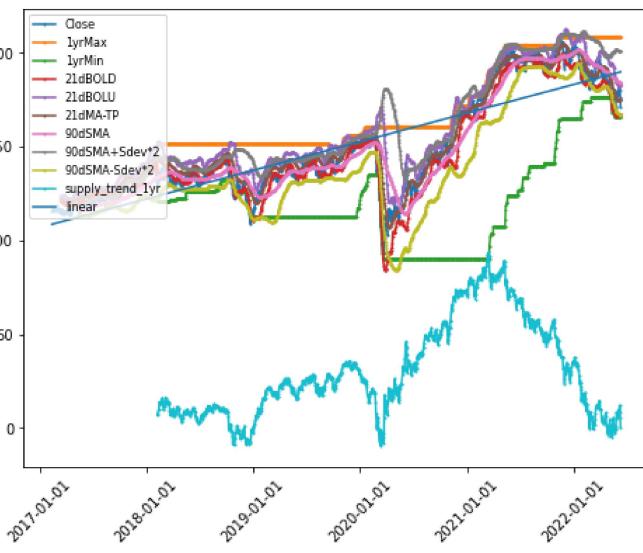
sell date: 2022-08-14
expected return: VHT 0.772178
Name: latest_p, dtype: object



sell date: 2022-09-04
expected return: VHT 0.409307
Name: latest_p, dtype: object



```
1
['options', ('2022-06-17',)]
VIS
Sector: Industrials ETF
supply trend: 3021835.7791225417
risk trend factor: -5.096829776050351
```



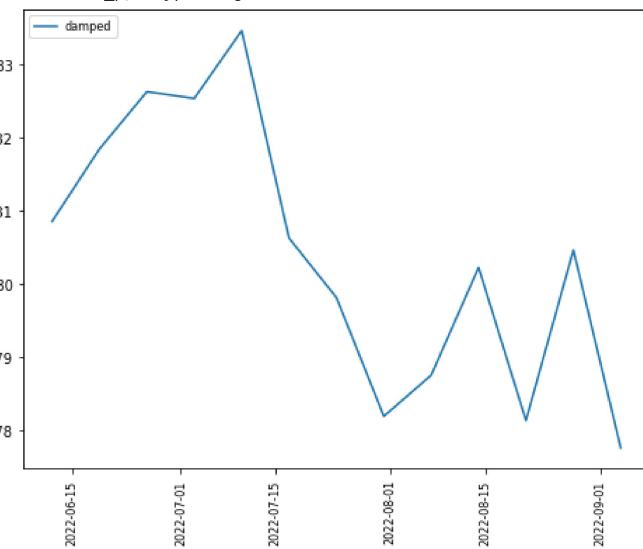
```
Empty DataFrame
Columns: []
Index: [VIS]
2022-06-10
```

21dBOLD 21dMA-TP 21dBOLU

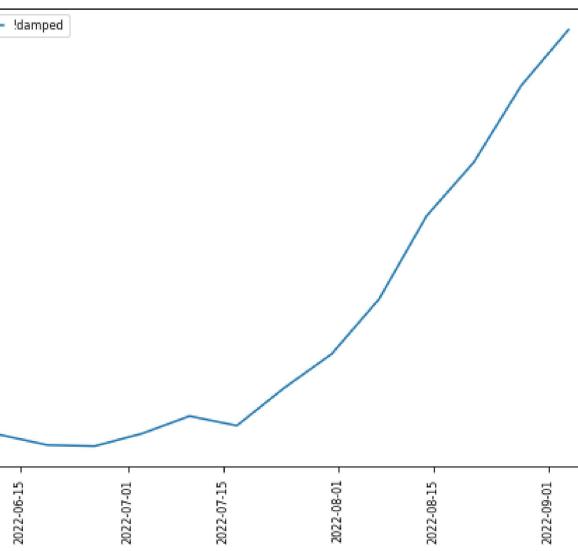
2022-06-10 166.918433 175.029841 183.141249

	volume_factor	latest_p	vol_30d_2yr	pct_2yr	adf	hurst
VIS	0.897137	170.789993	3021835.779123	0.55486	0.557365	0.472662

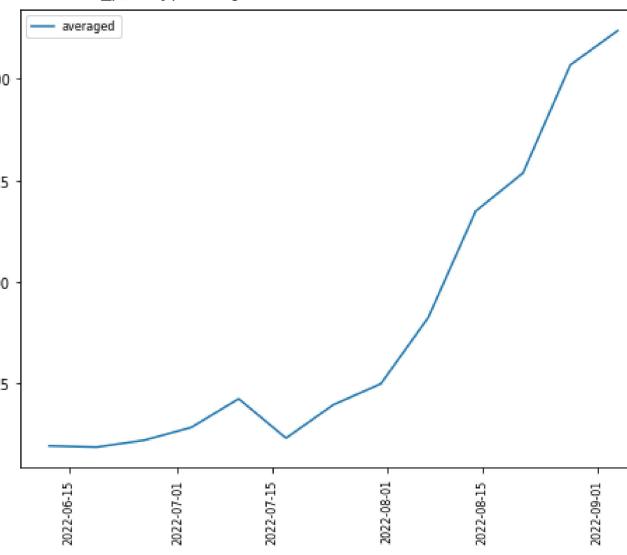
ets next 13 weeks
sell date: 2022-07-10
expected return: VIS 0.074141
Name: latest_p, dtype: object



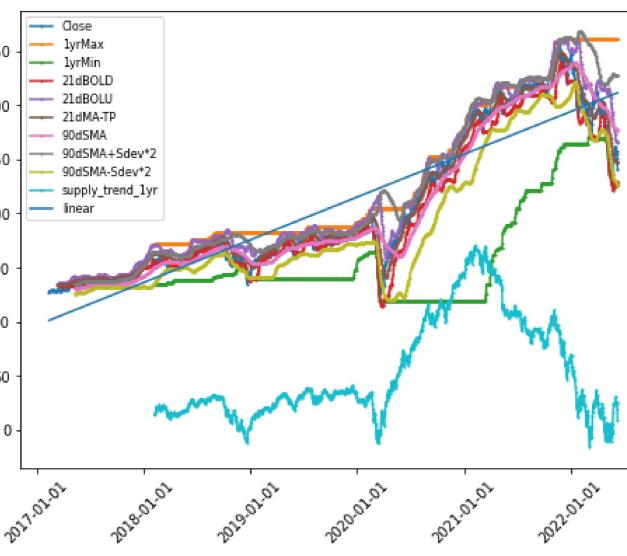
sell date: 2022-07-10
expected return: VIS 0.329033
Name: latest_p, dtype: object



sell date: 2022-09-04
expected return: VIS 0.184894
Name: latest_p, dtype: object



```
1
['options', ('2022-08-19',)]
VCR
Sector: Consumer Discretionary ETF
supply trend: 2149496.8229954615
risk trend factor: -5.274842912889847
```

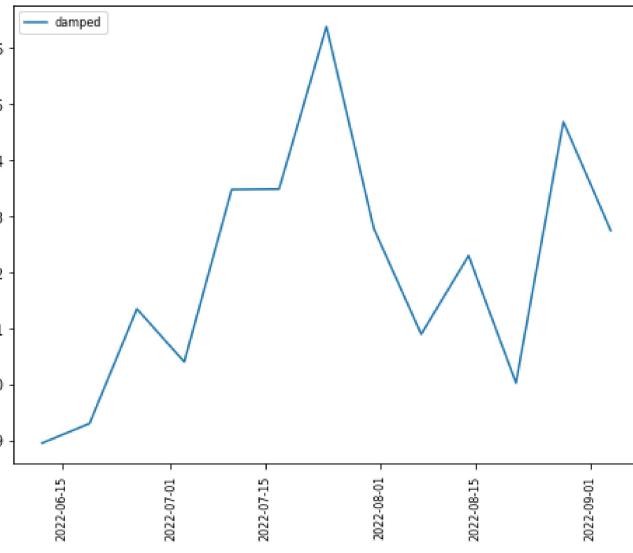


totalAssets	
VCR	6.015592e+09
2022-06-10	
21dBOLD	228.960223
21dMA-TP	247.434761
21dBOLU	265.9093

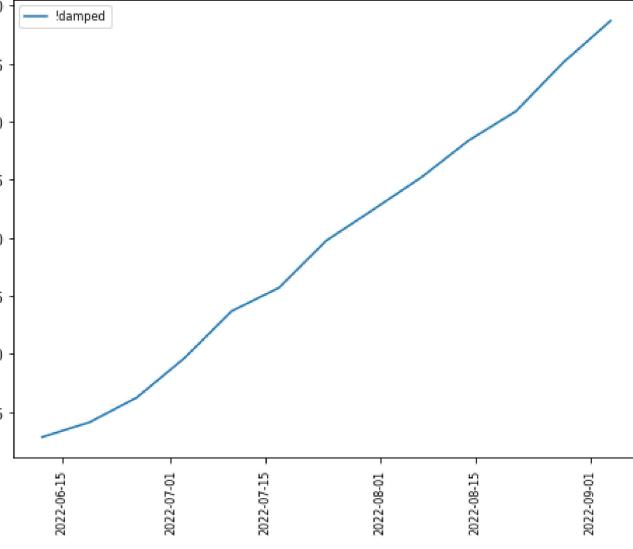
2022-06-10 228.960223 247.434761 265.9093

volume_factor	latest_p	vol_30d_2yr	pct_2yr	adf	hurst
VCR	1.24671	240.179993	2149496.822995	0.290163	0.672666

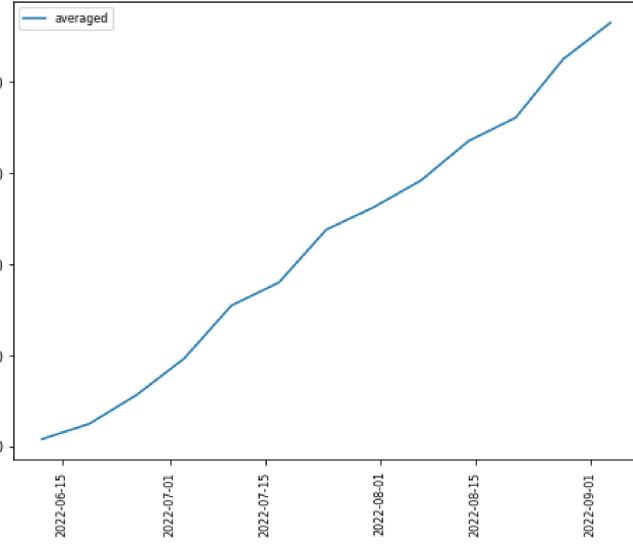
ets next 13 weeks
sell date: 2022-07-24
expected return: VCR 0.109038
Name: latest_p, dtype: object



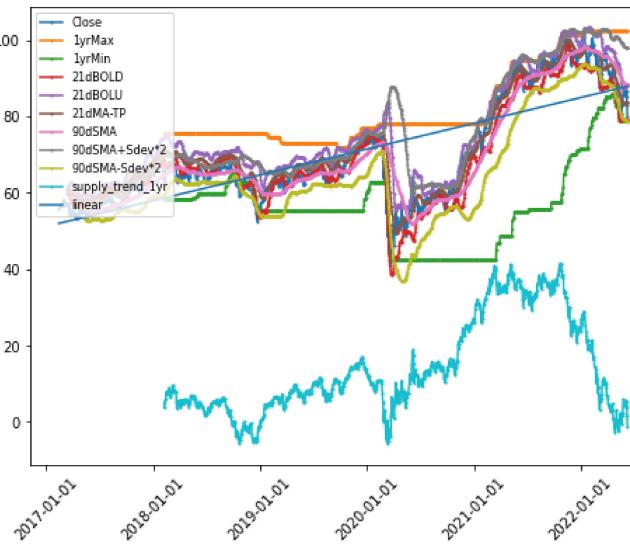
sell date: 2022-07-24
expected return: VCR 0.846176
Name: latest_p, dtype: object



sell date: 2022-09-04
expected return: VCR 0.470041
Name: latest_p, dtype: object



```
1
['options', ('2022-06-17',)]
VFH
Sector: Financials ETF
supply trend: 15854911.649016641
risk trend factor: -5.669686524892829
```



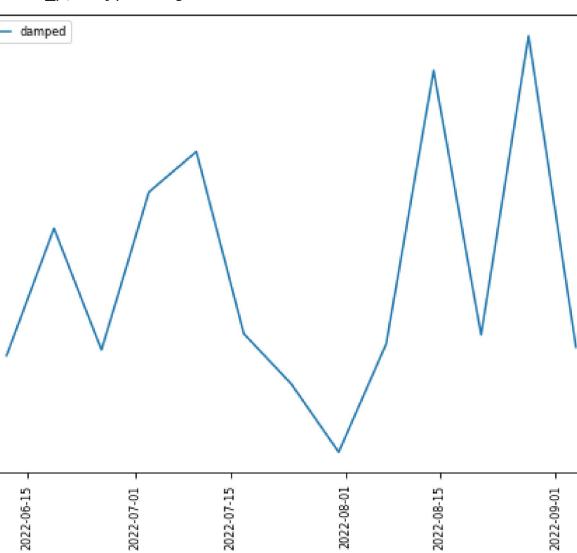
totalAssets
VFH 1.055284e+10
2022-06-10

21dBOLD 21dMA-TP 21dBOLU

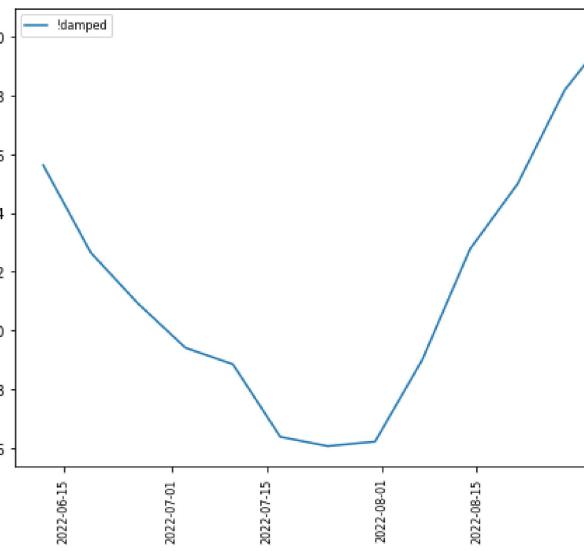
2022-06-10 79.139405 83.671588 88.203771

	volume_factor	latest_p	vol_30d_2yr	pct_2yr	adf	hurst
VFH	1.068786	79.93	15854911.649017	0.524221	0.532803	0.492594

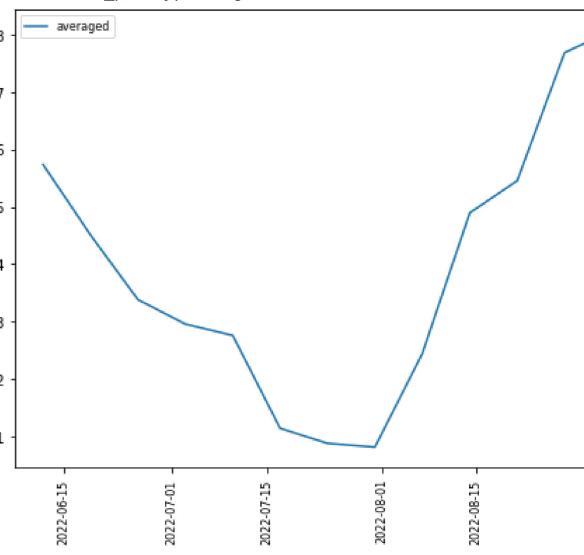
ets next 13 weeks
sell date: 2022-08-28
expected return: VFH 0.090577
Name: latest_p, dtype: object



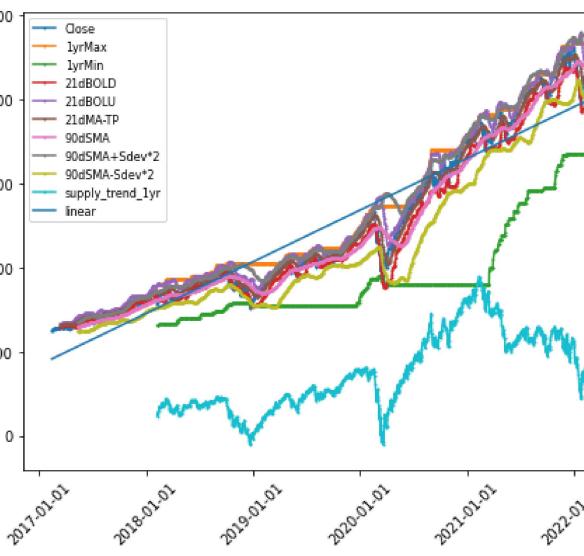
sell date: 2022-08-28
expected return: VFH 0.12907
Name: latest_p, dtype: object



sell date: 2022-09-04
 expected return: VFH 0.101744
 Name: latest_p, dtype: object



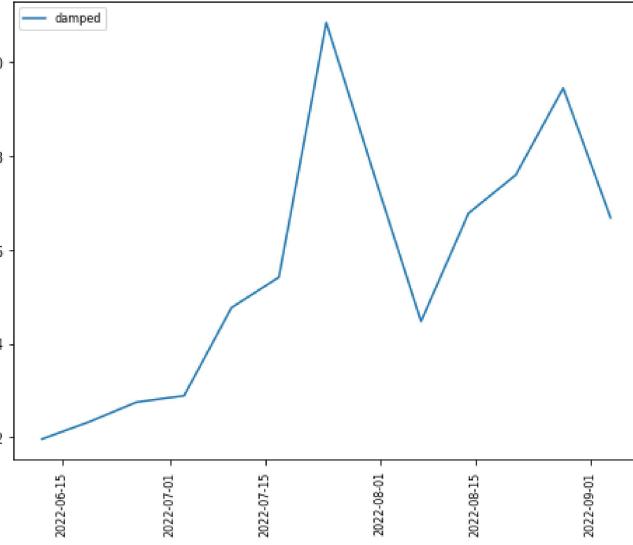
```
1
['options', ('2022-08-19',)]
VGT
Sector: Information Technology ETF
supply trend: 13900429.727685325
risk trend factor: -6.117689136620628
```



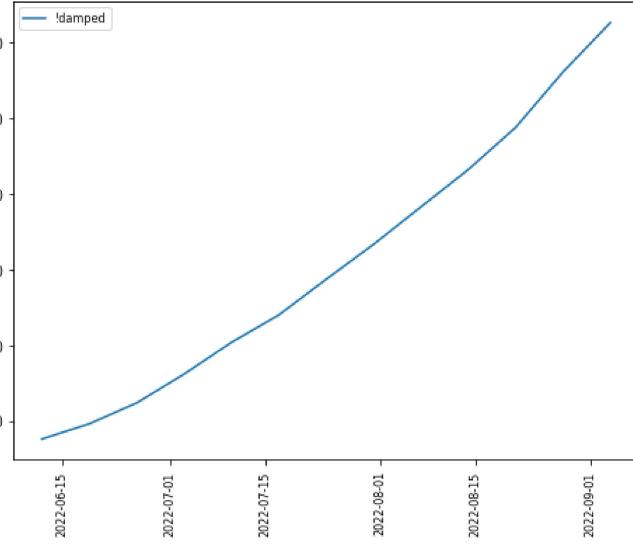
	21dBOLD	21dMA-TP	21dBOLU
2022-06-10	330.411387	350.71381	371.016232

	volume_factor	latest_p	vol_30d_2yr	pct_2yr	adf	hurst
VGT	1.13554	337.339996	13900429.727685	0.3501	0.739205	0.427823

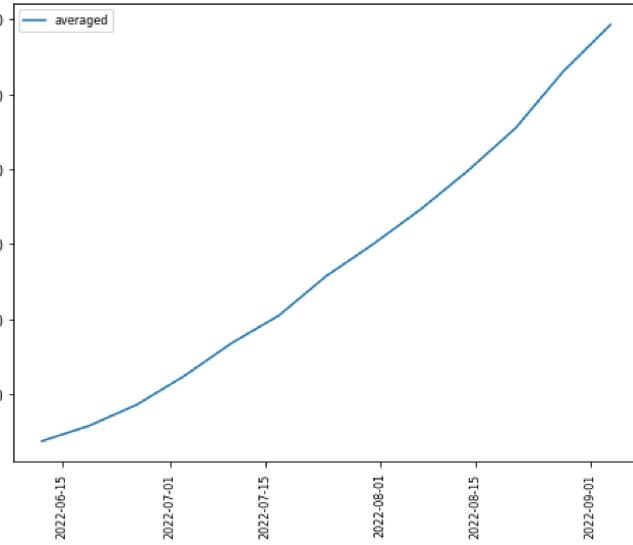
ets next 13 weeks
sell date: 2022-07-24
expected return: VGT 0.099318
Name: latest_p, dtype: object



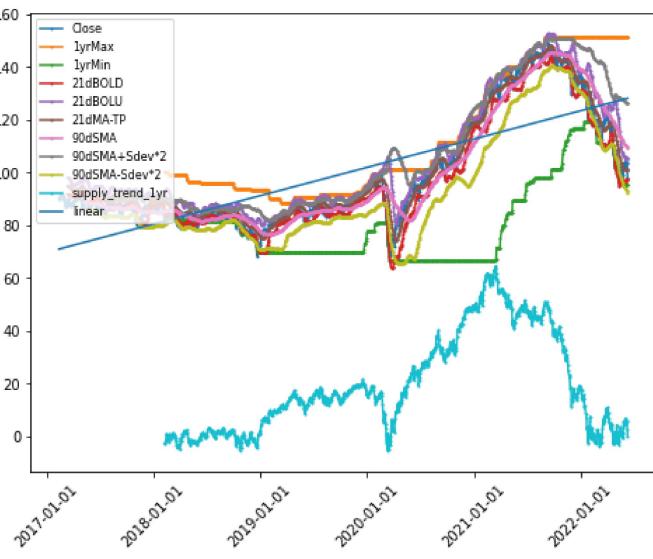
sell date: 2022-07-24
expected return: VGT 1.745106
Name: latest_p, dtype: object



sell date: 2022-09-04
expected return: VGT 0.916045
Name: latest_p, dtype: object



```
2
['options', ('2022-06-17', '2022-08-19')]
VOX
Sector: Communication Services ETF
supply trend: 4281925.49169274
risk trend factor: -9.183162170232858
```



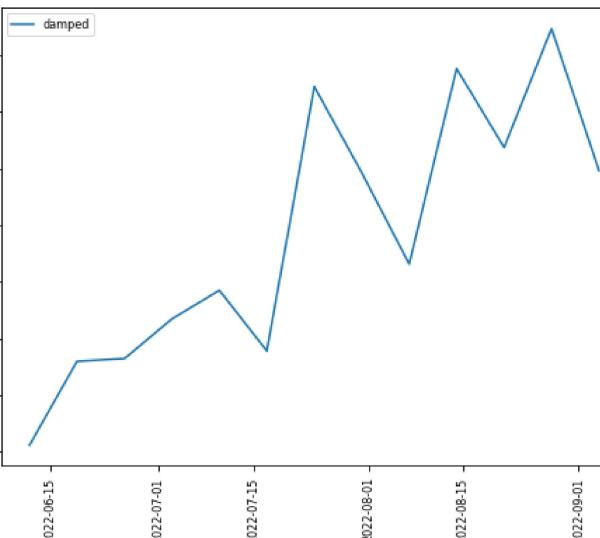
```
Empty DataFrame
Columns: []
Index: [VOX]
2022-06-10
```

21dBOLD 21dMA-TP 21dBOLU

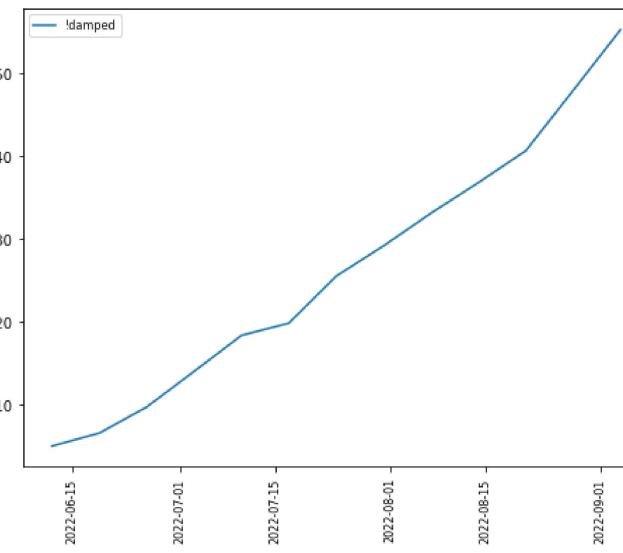
2022-06-10 97.197858 101.223333 105.248808

	volume_factor	latest_p	vol_30d_2yr	pct_2yr	adf	hurst
VOX	1.950828	97.699997	4281925.491679	0.137637	0.718884	0.512033

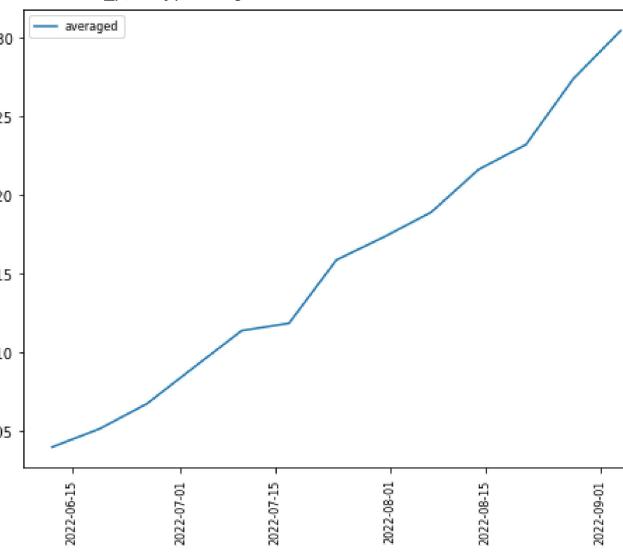
ets next 13 weeks
sell date: 2022-08-28
expected return: VOX 0.092479
Name: latest_p, dtype: object



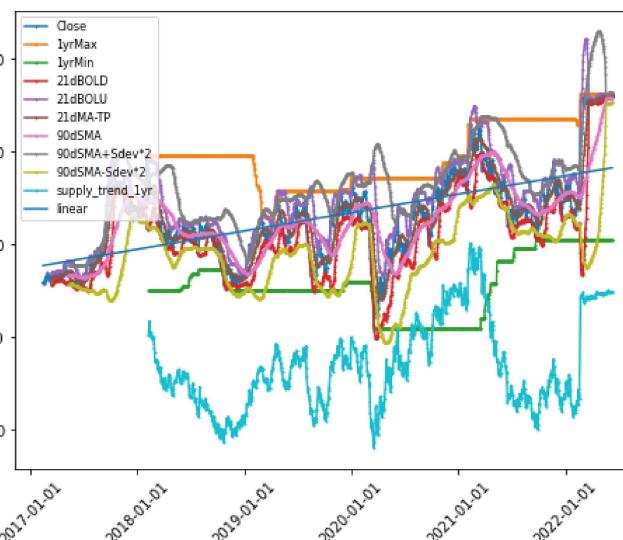
sell date: 2022-08-28
expected return: VOX 0.589796
Name: latest_p, dtype: object



sell date: 2022-09-04
expected return: VOX 0.334726
Name: latest_p, dtype: object



```
1
['options', ('2022-07-15',)]
MTOR
Index: SP600
Sector: error
supply trend: 20301256.12708018
risk trend factor: 10.517268141249515
```



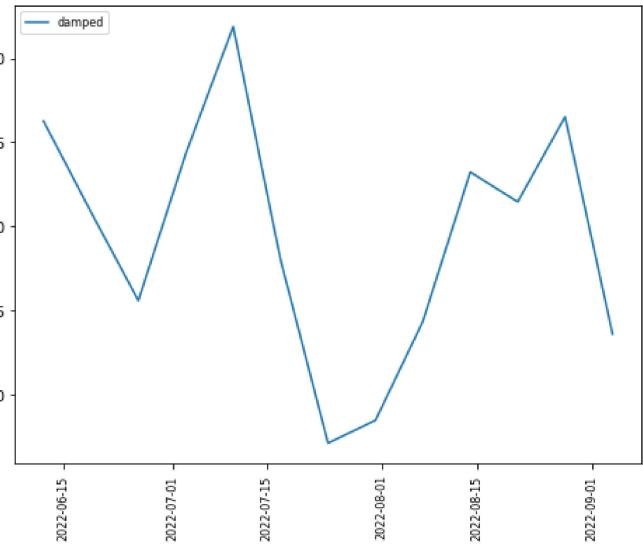
Empty DataFrame
Columns: []
Index: [MTOR]
2022-06-10

21dBOLD 21dMA-TP 21dBOLU

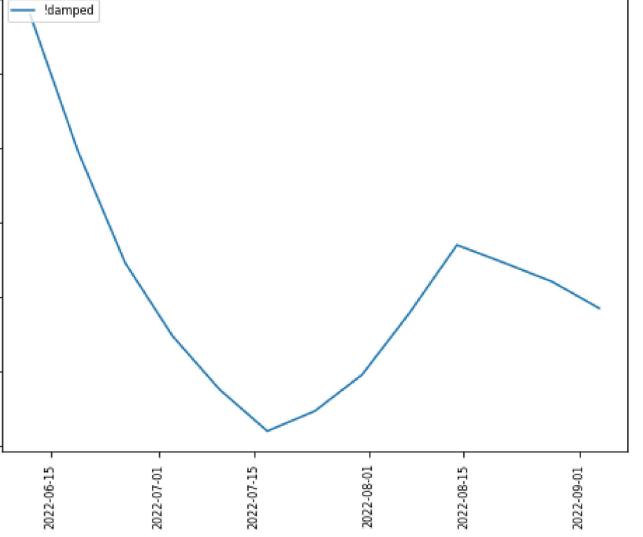
2022-06-10 35.91395 36.090158 36.266367

volume_factor	latest_p	vol_30d_2yr	pct_2yr	adf	hurst	
MTOR	1.167952	36.119999	20301256.12708	0.990077	0.308552	0.433895

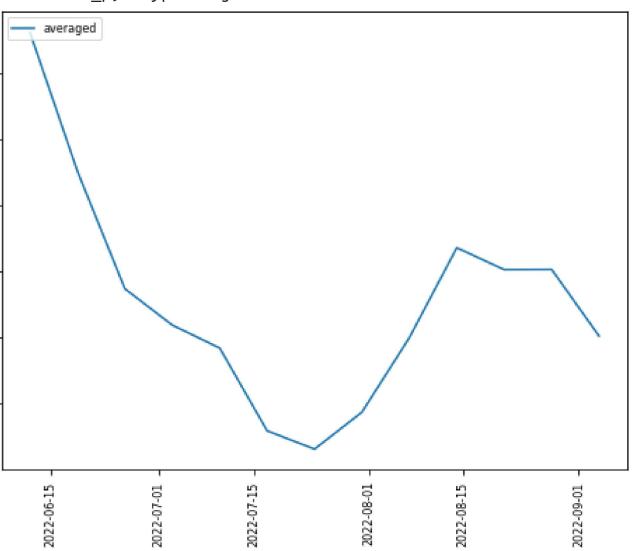
ets next 13 weeks
sell date: 2022-07-10
expected return: MTOR 0.001882
Name: latest_p, dtype: object



sell date: 2022-07-10
expected return: MTOR -0.014534
Name: latest_p, dtype: object



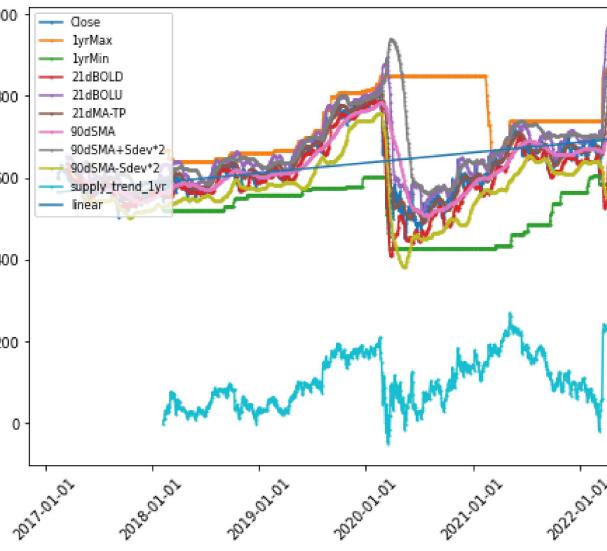
sell date: 2022-06-12
expected return: MTOR -0.014124
Name: latest_p, dtype: object



```

1
['options', ('2022-08-19',)]
Y
Index: SP400
Sector: Financial Services
supply trend: 1456858.6989409984
risk trend factor: 7.384771627869685

```



```

beta currentRatio debtToEquity earningsGrowth ebitda \
Y 0.663839 1.597 31.5 -0.433 1620000000

ebitdaMargins forwardPE freeCashflow grossMargins grossProfits \
Y 0.13423 9.936376 90016496 0.44211 5101669000

heldPercentInstitutions industry marketCap \
Y 0.86723 Insurance—Property & Casualty 11220848640

operatingCashflow operatingMargins payoutRatio pegRatio priceToBook \
Y 1928840960 0.11935 0 0.15 1.305451

priceToSalesTrailing12Months profitMargins quickRatio returnOnAssets \
Y 0.929715 0.0771 1.004 0.02938

returnOnEquity revenueGrowth revenuePerShare sector \
Y 0.11868 0.025 878.577 Financial Services

sharesOutstanding shortRatio totalCash totalCashPerShare totalDebt \
Y 13454900 2.32 2298860032 170.857 2822777088

totalRevenue trailingPE
Y 12069126144 12.311554
2022-06-10

```

21dBOLD 21dMA-TP 21dBOLU

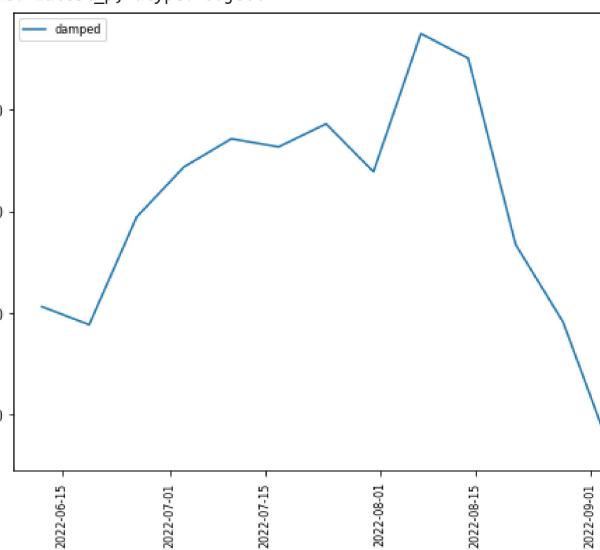
2022-06-10 831.51432 833.616982 835.719644

volume_factor	latest_p	vol_30d_2yr	pct_2yr	adf	hurst	
Y	1.713893	834.109985	1456858.698941	0.928509	0.389055	0.457411

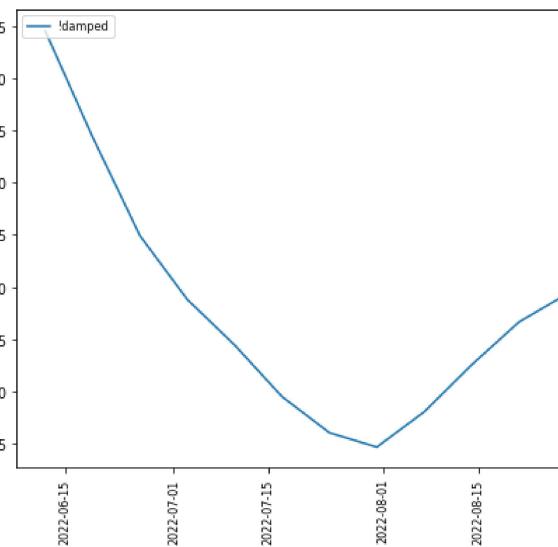
```

ets next 13 weeks
sell date: 2022-08-07
expected return: Y 0.004052
Name: latest_p, dtype: object

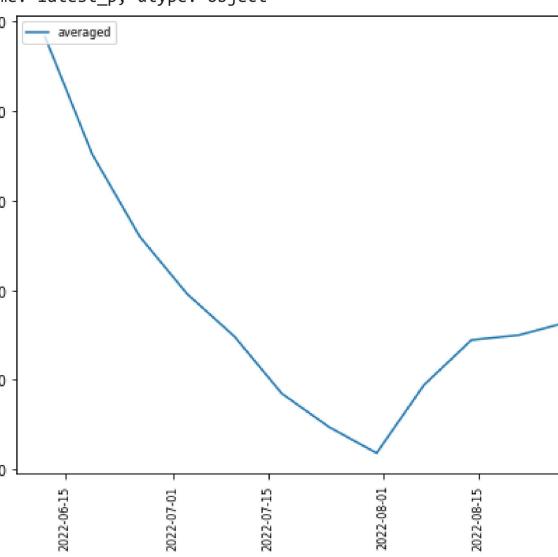
```



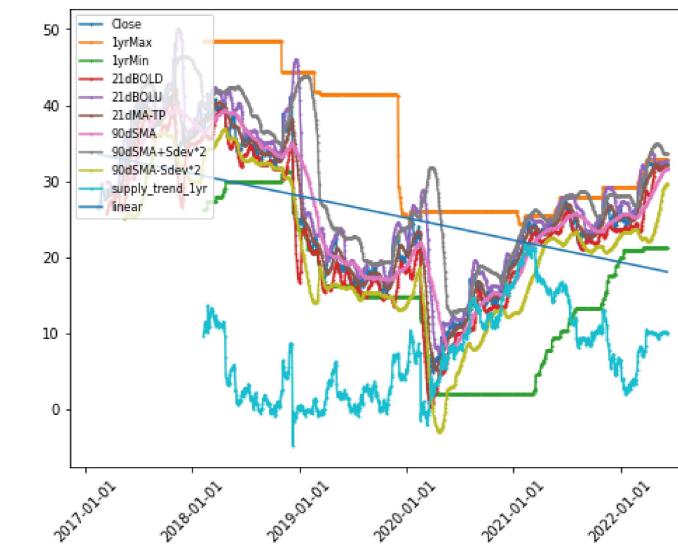
sell date: 2022-08-07
expected return: Y -0.013665
Name: latest_p, dtype: object



sell date: 2022-06-12
expected return: Y -0.020916
Name: latest_p, dtype: object



```
1
['options', ('2022-07-15',)]
27
['sustainability',                               Value
2022-5
palmOil           False
controversialWeapons False
gambling          False
socialScore       8.71
nuclear           False
furLeather        False
alcoholic         False
gmo               False
catholic          False
socialPercentile None
peerCount         96
governanceScore  11.77
environmentPercentile None
animalTesting     False
tobacco           False
totalEsg          21.71
highestControversy 1
esgPerformance   AVG_PERF
coal              False
pesticides        False
adult             False
percentile        30.32
peerGroup         Insurance
smallArms         False
environmentScore  1.23
governancePercentile None
militaryContract False]
TVTY
Index: SP600
Sector: error
supply trend: 14974563.993948562
risk trend factor: 5.3931495326188665
```



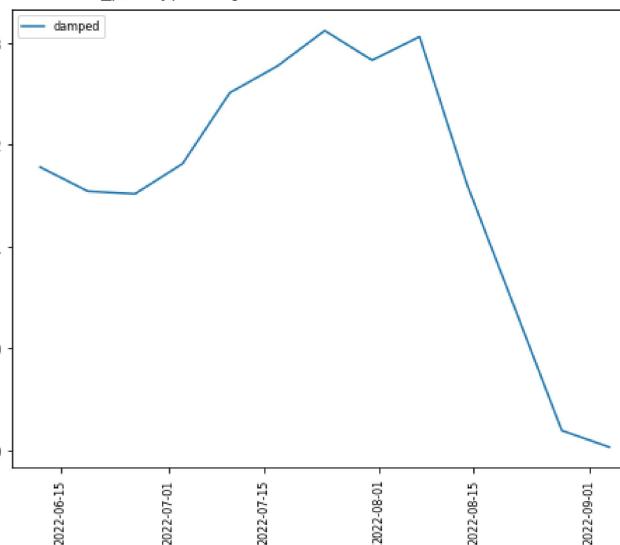
Empty DataFrame
Columns: []
Index: [TVTY]
2022-06-10

21dBOLD 21dMA-TP 21dBOLU

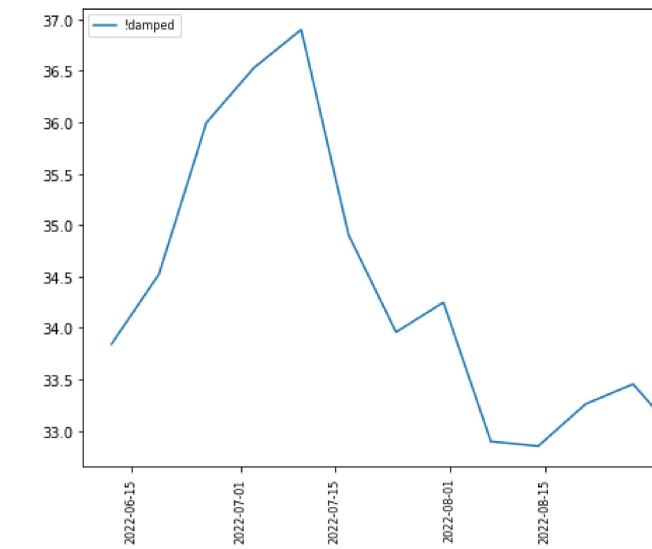
2022-06-10 31.743907 32.163968 32.58403

	volume_factor	latest_p	vol_30d_2yr	pct_2yr	adf	hurst
TVTY	0.975728	32.279999	14974563.993949	0.973128	0.524133	0.449983

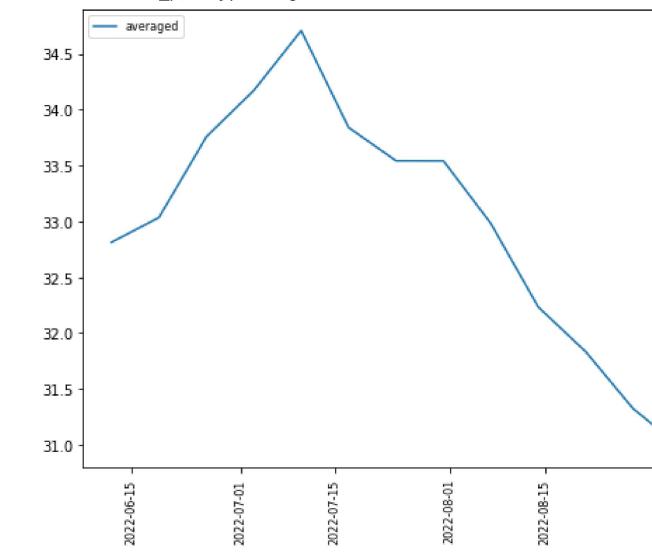
ets next 13 weeks
sell date: 2022-07-24
expected return: TTVY 0.026157
Name: latest_p, dtype: object



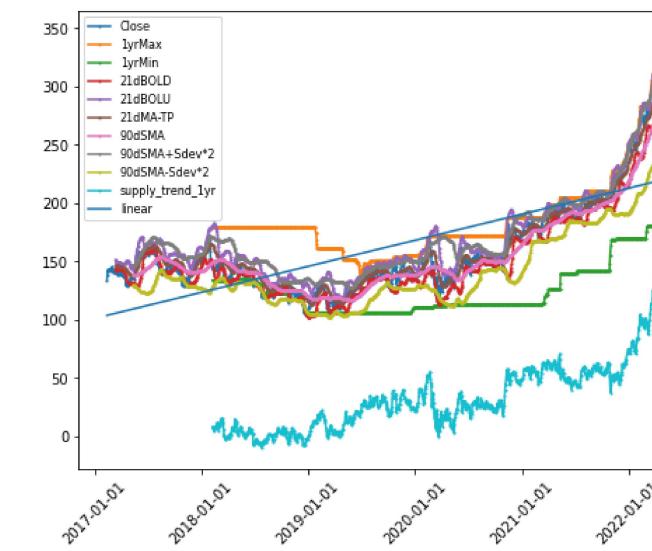
sell date: 2022-07-24
expected return: TTVY 0.143133
Name: latest_p, dtype: object



sell date: 2022-07-10
 expected return: TVTY 0.075186
 Name: latest_p, dtype: object



```
1
['options', ('2022-08-19',)]
MCK
Index: SP500
Sector: Healthcare
supply trend: 33946622.76853253
risk trend factor: 4.004949352728542
```



```

beta currentRatio dividendRate dividendYield earningsGrowth \
MCK 0.663839 0.954 1.88 0.0059 -0.406

ebitda ebitdaMargins forwardPE freeCashflow grossMargins \
MCK 3191000064 0.01209 12.411926 2685625088 0.04957

grossProfits heldPercentInstitutions industry marketCap \
MCK 13084000000 0.9152 Medical Distribution 45990576128

operatingCashflow operatingMargins payoutRatio pegRatio \
MCK 4433999872 0.00965 0.2521 1

priceToSalesTrailing12Months profitMargins quickRatio returnOnAssets \
MCK 0.174229 0.00422 0.456 0.02481

revenueGrowth revenuePerShare sector sharesOutstanding shortRatio \
MCK 0.118 1733.198 Healthcare 145364992 2.18

totalCash totalCashPerShare totalDebt totalRevenue trailingPE
MCK 3532000000 24.297 7616999936 263965999104 43.771442
2022-06-10

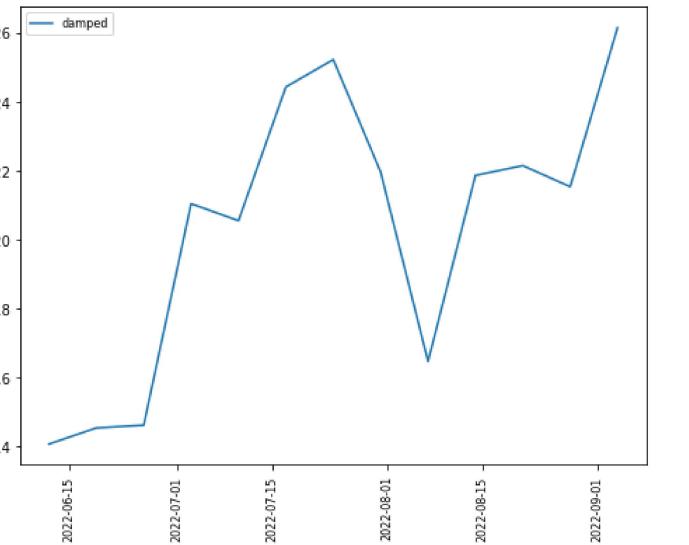
```

21dBOLD 21dMA-TP 21dBOLU

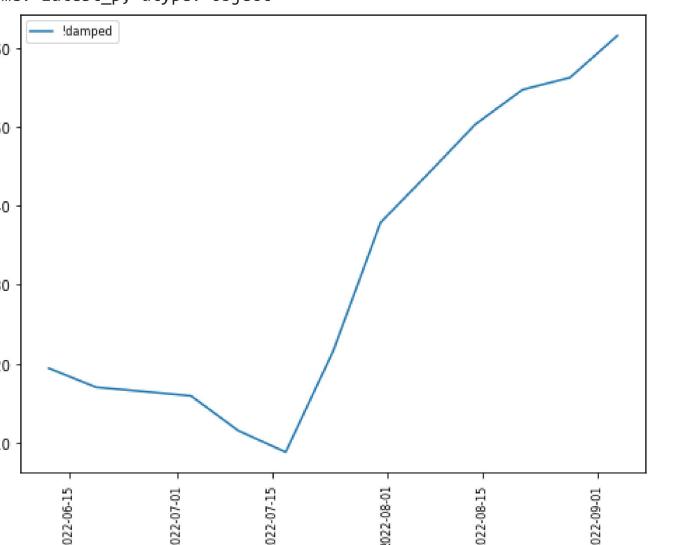
2022-06-10 310.325661 323.309364 336.293067

volume_factor	latest_p	vol_30d_2yr	pct_2yr	adf	hurst	
MCK	0.653279	313.339996	33946622.768533	0.86712	0.998714	0.463166

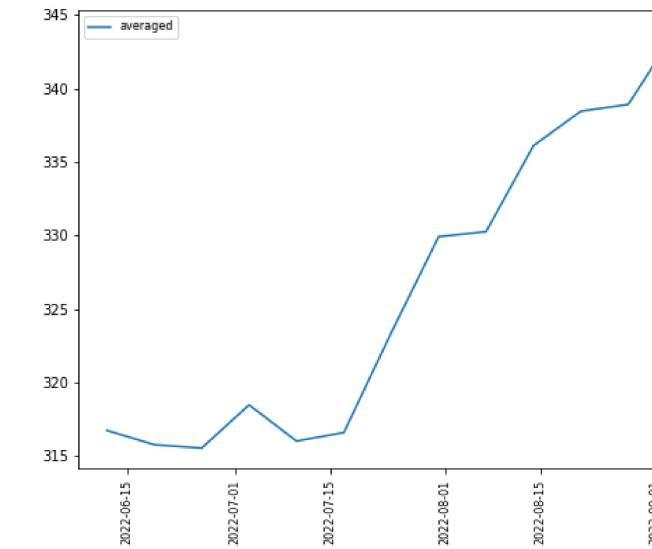
ets next 13 weeks
sell date: 2022-09-04
expected return: MCK 0.040851
Name: latest_p, dtype: object



sell date: 2022-09-04
expected return: MCK 0.153965
Name: latest_p, dtype: object



sell date: 2022-09-04
expected return: MCK 0.097408
Name: latest_p, dtype: object



```
3 ['options', ('2022-08-19', '2023-01-20', '2024-01-19')]
27
```

```
['sustainability', Value]
```

```
2022-5
palmOil False
controversialWeapons False
gambling False
socialScore 7.37
nuclear False
furLeather False
alcoholic False
gmo False
catholic False
socialPercentile None
peerCount 58
governanceScore 5.52
environmentPercentile None
animalTesting False
tobacco False
totalEsg 15.17
highestControversy 3
esgPerformance UNDER_PERF
coal False
pesticides False
adult False
percentile 10.18
peerGroup Healthcare
smallArms False
environmentScore 2.29
governancePercentile None
militaryContract False]
```

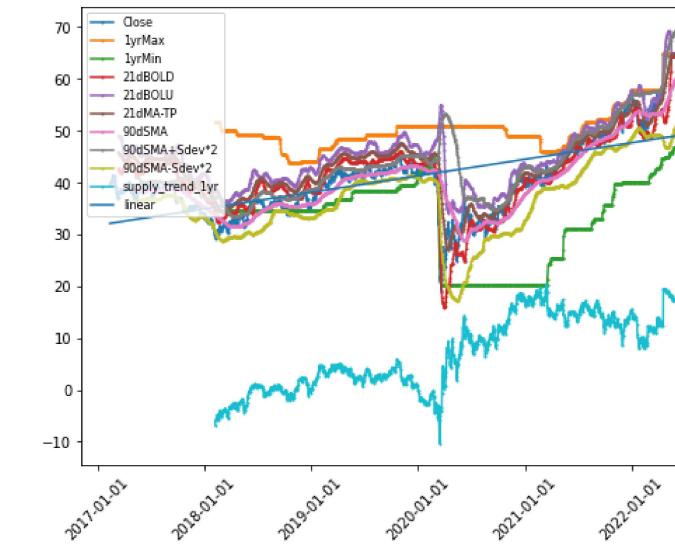
```
ACC
```

```
Index: SP400
```

```
Sector: error
```

```
supply trend: 20837020.877458397
```

```
risk trend factor: 3.9171880564096475
```



```
Empty DataFrame
```

```
Columns: []
```

```
Index: [ACC]
```

```
2022-06-10
```

21dBOLD 21dMA-TP 21dBOLU

2022-06-10 64.467277 64.776825 65.086373

volume_factor latest_p vol_30d_2yr pct_2yr adf hurst

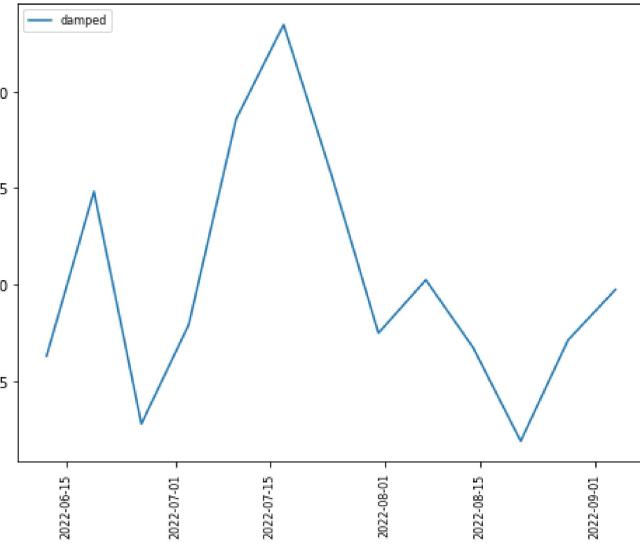
ACC 2.984429 64.769997 20837020.877458 0.986823 0.981927 0.416828

ets next 13 weeks

sell date: 2022-07-17

expected return: ACC 0.008892

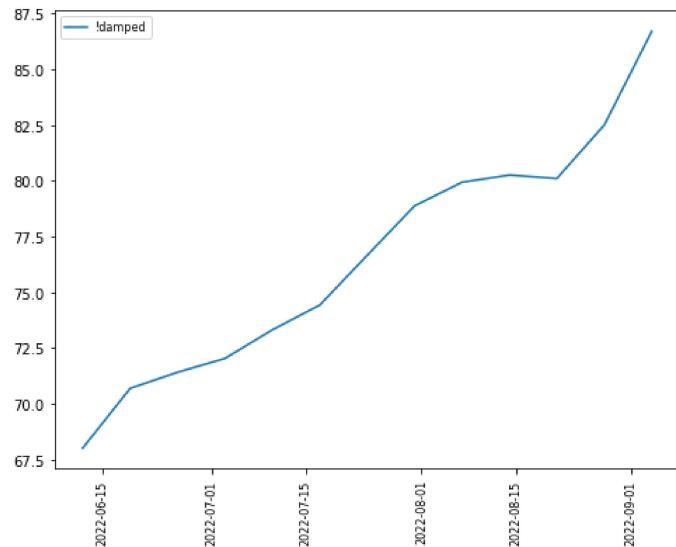
Name: latest_p, dtype: object



sell date: 2022-07-17

expected return: ACC 0.338479

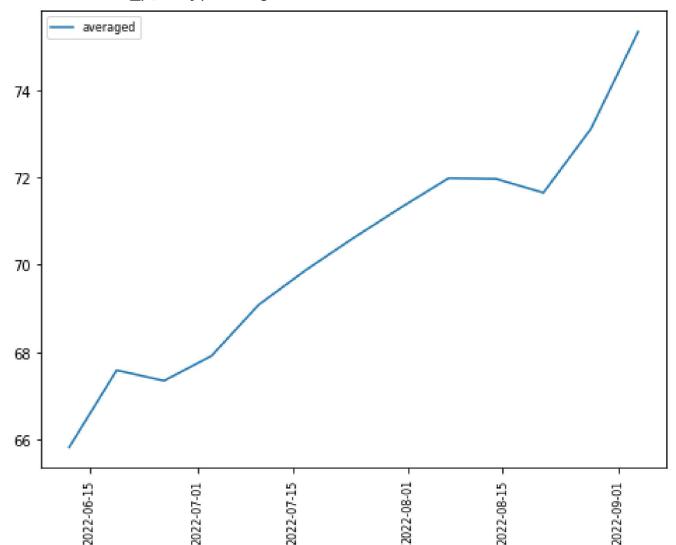
Name: latest_p, dtype: object



sell date: 2022-09-04

expected return: ACC 0.1631

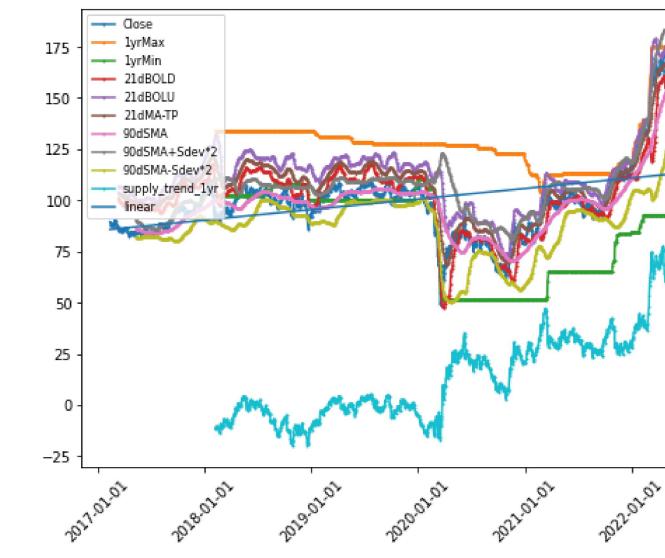
Name: latest_p, dtype: object



```

1
['options', ('2022-06-17',)]
CVX
Index: SP500
Sector: Energy
supply trend: 181490743.72163388
risk trend factor: 3.856636911038389

```



```

beta currentRatio debtToEquity dividendRate dividendYield \
CVX 1.078947 1.433 19.941 5.68 0.0315

```

```

earningsGrowth ebitda ebitdaMargins forwardPE freeCashflow \
CVX 3.473 38521999360 0.21783 12.431709 21073375232

```

```

grossMargins grossProfits heldPercentInstitutions industry \
CVX 0.40935 66234000000 0.71587 Oil & Gas Integrated

```

```

marketCap operatingCashflow operatingMargins payoutRatio pegRatio \
CVX 355886039040 33045999616 0.12219 0.5113 0.6

```

```

priceToBook priceToSalesTrailing12Months profitMargins quickRatio \
CVX 2.433922 2.012429 0.11596 1.119

```

```

returnOnAssets returnOnEquity revenueGrowth revenuePerShare sector \
CVX 0.05505 0.1469 0.683 92.025 Energy

```

```

sharesOutstanding shortRatio totalCash totalCashPerShare totalDebt \
CVX 1964809984 2.03 11704000512 5.957 29333000192

```

```

totalRevenue trailingPE
CVX 176843997184 17.0187
2022-06-10

```

```

21dBOLD 21dMA-TP 21dBOLU

```

```

2022-06-10 164.142905 173.680233 183.21756

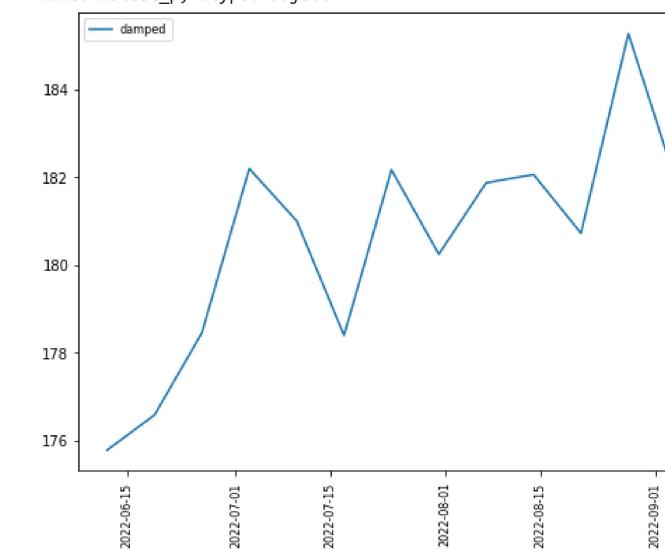
```

volume_factor	latest_p	vol_30d_2yr	pct_2yr	adf	hurst	
CVX	1.209596	175.399994	181490743.721634	0.940293	0.97985	0.498334

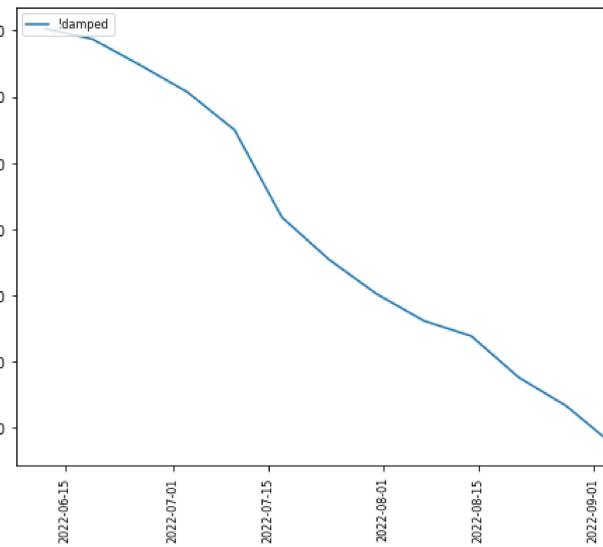
```

ets next 13 weeks
sell date: 2022-08-28
expected return: CVX 0.056222
Name: latest_p, dtype: object

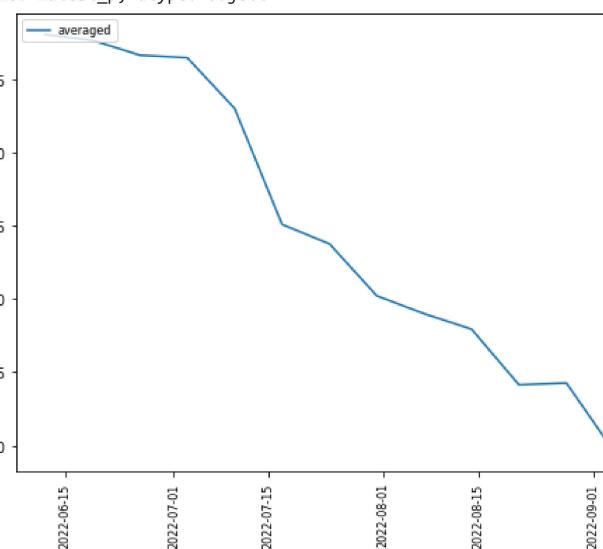
```



```
sell date: 2022-08-28
expected return: CVX 0.027831
Name: latest_p, dtype: object
```



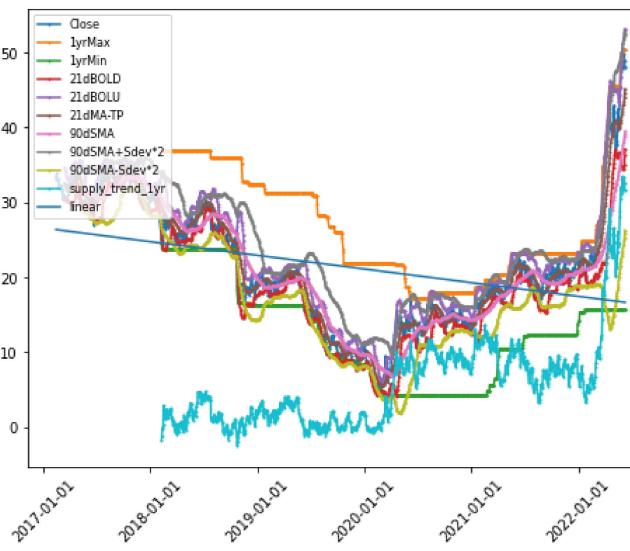
```
sell date: 2022-06-12
expected return: CVX 0.014981
Name: latest_p, dtype: object
```



```
3
['options', ('2022-06-17', '2023-01-20', '2024-01-19')]
```

```
27
['sustainability',
2022-5
palmOil False
controversialWeapons False
gambling False
socialScore 10.63
nuclear False
furLeather False
alcoholic False
gmo False
catholic False
socialPercentile None
peerCount 66
governanceScore 9.95
environmentPercentile None
animalTesting True
tobacco False
totalEsg 43
highestControversy 3
esgPerformance LEAD_PERF
coal False
pesticides False
adult False
percentile 92.22
peerGroup Oil & Gas Producers
smallArms False
environmentScore 22.42
governancePercentile None
militaryContract False]
```

```
EQT
Index: SP400
Sector: Energy
supply trend: 137472571.69969743
risk trend factor: 3.747308089815218
```



```

beta currentRatio debtToEquity dividendRate dividendYield \
EQT 1.156862      0.398     61.543      0.5      0.0133

ebitda ebitdaMargins forwardPE freeCashflow grossMargins \
EQT -1089323008   -0.13465   21.603603   2408109568    0.734

grossProfits heldPercentInstitutions industry marketCap \
EQT 4672261000      1.00436   Oil & Gas E&P 18126721024

operatingCashflow operatingMargins pegRatio priceToBook \
EQT 2283751936      -0.3565    0.27      2.196373

priceToSalesTrailing12Months profitMargins quickRatio returnOnAssets \
EQT 2.240665      -0.32564    0.162      -0.09046

returnOnEquity revenueGrowth revenuePerShare sector sharesOutstanding \
EQT -0.3018       1.206      23.313   Energy 377955008

shortRatio totalCash totalCashPerShare totalDebt totalRevenue
EQT 2 16913000      0.046    5050277888   8089885184
2022-06-10

```

21dBOLD 21dMA-TP 21dBOLU

2022-06-10 37.159954 45.132857 53.10576

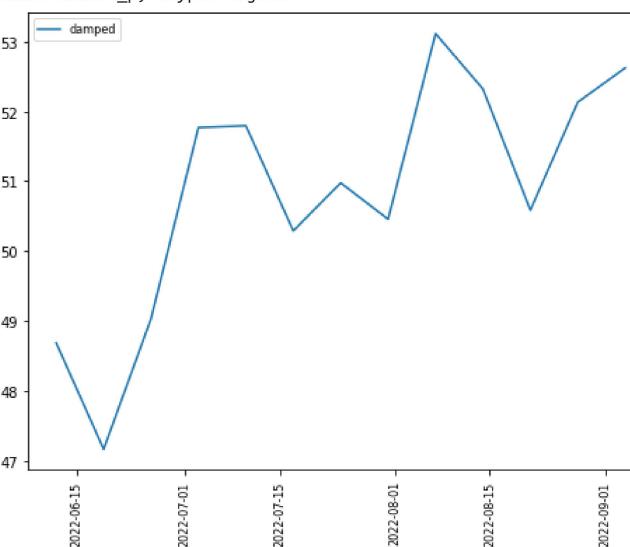
volume_factor	latest_p	vol_30d_2yr	pct_2yr	adf	hurst
---------------	----------	-------------	---------	-----	-------

```

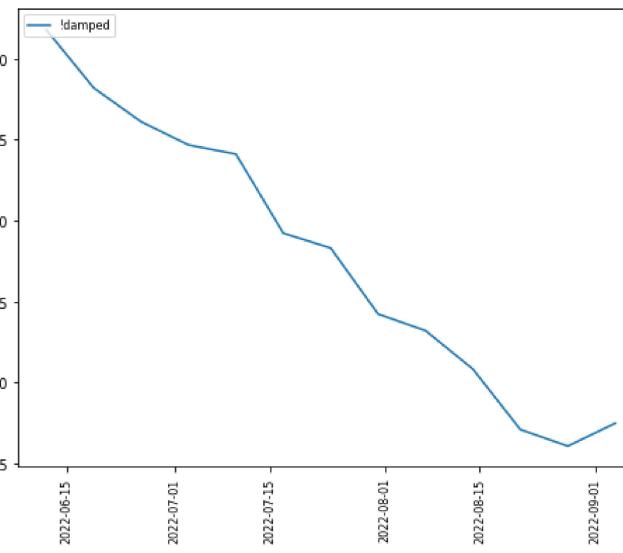
EQT 1.217357 47.959999 137472571.699697 0.938581 0.932879 0.501911

```

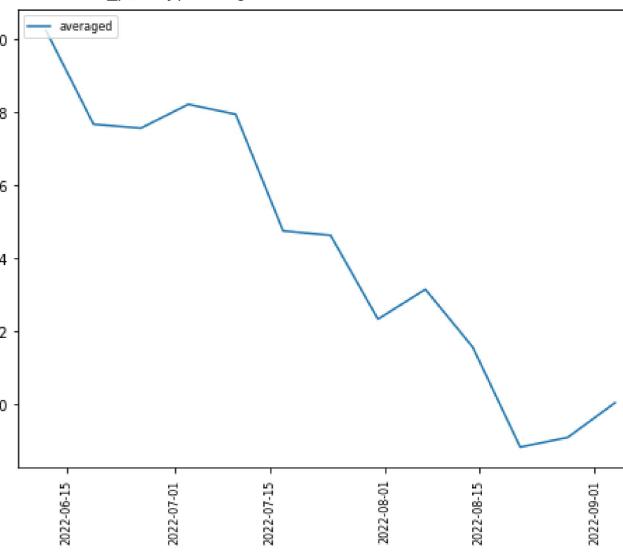
ets next 13 weeks
sell date: 2022-08-07
expected return: EQT 0.107507
Name: latest_p, dtype: object



sell date: 2022-08-07
expected return: EQT 0.080101
Name: latest_p, dtype: object



sell date: 2022-06-12
expected return: EQT 0.047622
Name: latest_p, dtype: object



21
['quarterly_balance_sheet', 2022-03-31 2021-12-31 2021-09-30]
Total Liab 1.360858e+10 1.156162e+10 1.475200e+10
Total Stockholder Equity 8.188673e+09 1.002953e+10 8.248460e+09
Minority Interest 1.736000e+07 1.623600e+07 1.126500e+07
Other Current Liab 5.695198e+09 2.471048e+09 6.032718e+09
Total Assets 2.181461e+10 2.160739e+10 2.301172e+10
Common Stock 9.921348e+09 1.016796e+10 1.018065e+10
Other Current Assets 1.304109e+09 6.911100e+08 1.428073e+09
Retained Earnings -1.725279e+09 -1.157790e+08 -1.908833e+09
Other Liab 1.446828e+09 1.926612e+09 1.346475e+09
Treasury Stock -7.396000e+06 -2.265700e+07 -2.335900e+07
Other Assets 4.927920e+08 8.756020e+08 8.897110e+08
Cash 1.691300e+07 1.139630e+08 2.279200e+07
Total Current Liabilities 7.605287e+09 5.080171e+09 7.228353e+09
Short Long Term Debt 4.938150e+08 9.549000e+08 1.244100e+07
Other Stockholder Equity -4.548000e+06 -4.611000e+06 -5.157000e+06
Property Plant Equipment 1.829589e+10 1.844502e+10 1.878111e+10
Total Current Assets 3.025930e+09 2.286766e+09 3.340899e+09
Net Tangible Assets 8.188673e+09 1.002953e+10 8.248460e+09
Net Receivables 1.212596e+09 1.438031e+09 1.132364e+09
Long Term Debt 4.556463e+09 4.530102e+09 6.177167e+09
Accounts Payable 1.416274e+09 1.339251e+09 1.183194e+09

2021-06-30
Total Liab 1.068284e+10
Total Stockholder Equity 8.291758e+09
Minority Interest 1.066400e+07
Other Current Liab 2.459368e+09
Total Assets 1.898526e+10
Common Stock 8.245752e+09
Other Current Assets 6.488550e+08
Retained Earnings 7.128400e+07
Other Liab 1.907015e+09
Treasury Stock -2.527800e+07
Other Assets 9.975310e+08
Cash 3.307700e+08
Total Current Liabilities 3.679201e+09
Short Long Term Debt 3.996990e+08
Other Stockholder Equity -5.194000e+06
Property Plant Equipment 1.581907e+10
Total Current Assets 2.168655e+09
Net Tangible Assets 8.291758e+09
Net Receivables 6.515680e+08
Long Term Debt 5.096619e+09
Accounts Payable 8.201340e+08]

18

['quarterly_cashflow', 2022-03-31 2021-12-31]
Change To Liabilities 5.286700e+07 1.804790e+08
Total Cashflows From Investing Activities -2.911720e+08 -3.578840e+08
Net Borrowings -5.441740e+08 -7.123310e+08
Total Cash From Financing Activities -8.270970e+08 -7.218910e+08
Change To Operating Activities -1.461280e+08 5.418350e+08
Issuance Of Stock 1.214000e+06 1.214000e+06
Net Income -1.516048e+09 1.801333e+09
Change In Cash -9.705000e+07 9.117100e+07
Repurchase Of Stock -2.301390e+08 -1.296200e+07
Total Cash From Operating Activities 1.021219e+09 1.170946e+09
Depreciation 4.352770e+08 5.105630e+08
Other Cashflows From Investing Activities -1.490000e+05 -2.778600e+07
Dividends Paid -4.706300e+07 -4.706300e+07
Change To Account Receivables 2.259680e+08 -2.955500e+08
Other Cashflows From Financing Activities -6.935000e+06 3.402000e+06
Change To Netincome 1.969283e+09 -1.570860e+09
Capital Expenditures -2.922810e+08 -3.481900e+08
Investments NaN 2.436900e+07

2021-09-30 2021-06-30
Change To Liabilities 1.653180e+08 -5541000.0
Total Cashflows From Investing Activities -1.039960e+09 -426988000.0
Net Borrowings 6.856860e+08 698705000.0
Total Cash From Financing Activities 6.838740e+08 673609000.0
Change To Operating Activities -2.052750e+08 -360908000.0
Issuance Of Stock 1.214000e+06 1214000.0
Net Income -1.986117e+09 -936457000.0
Change In Cash -3.079780e+08 290100000.0
Repurchase Of Stock -1.122000e+06 -51000.0
Total Cash From Operating Activities 4.818000e+07 43479000.0
Depreciation 4.528740e+08 391417000.0
Other Cashflows From Investing Activities 8.465000e+06 1758000.0
Dividends Paid -4.706300e+07 -47063000.0
Change To Account Receivables -3.048780e+08 13335000.0
Other Cashflows From Financing Activities -6.900000e+05 -25045000.0
Change To Netincome 1.923332e+09 941633000.0
Capital Expenditures -2.366790e+08 -218982000.0
Investments 2.436900e+07 24369000.0]

4

['quarterly_earnings', Revenue Earnings
Quarter
2Q2021 1063417000 -936457000
3Q2021 1766717000 -1980117000
4Q2021 2792407000 1801333000

1Q2022 2467344000 -1516048000]
2
['quarterly_financials',
Research Development None None
Effect Of Accounting Charges None None
Income Before Tax -1980280000.0 2393634000.0
Minority Interest 17360000.0 16236000.0
Net Income -1516048000.0 1801333000.0
Selling General Administrative 69096000.0 52343000.0
Gross Profit 1911411000.0 2213006000.0
Ebit -1859484000.0 2753035000.0
Operating Income -1859484000.0 2753035000.0
Other Operating Expenses 3278929000.0 -1069974000.0
Interest Expense -67902000.0 -76469000.0
Extraordinary Items None None
Non Recurring None None
Other Items None None
Income Tax Expense -465697000.0 591080000.0
Total Revenue 2467344000.0 2792407000.0
Total Operating Expenses 4326828000.0 39372000.0
Cost Of Revenue 555933000.0 579401000.0
Total Other Income Expense Net -120796000.0 -359401000.0
Discontinued Operations None None
Net Income From Continuing Ops -1514583000.0 1802554000.0
Net Income Applicable To Common Shares -1516048000.0 1801333000.0

2021-09-30 2021-06-30
Research Development None None
Effect Of Accounting Charges None None
Income Before Tax -2642431000.0 -1284365000.0
Minority Interest 11265000.0 10664000.0
Net Income -1980117000.0 -936457000.0
Selling General Administrative 49113000.0 49853000.0
Gross Profit 1239679000.0 573854000.0
Ebit -2568808000.0 -1208823000.0
Operating Income -2568808000.0 -1208823000.0
Other Operating Expenses 3296003000.0 1350757000.0
Interest Expense -80349000.0 -76986000.0
Extraordinary Items None None
Non Recurring None None
Other Items None None
Income Tax Expense -662915000.0 -347846000.0
Total Revenue 1766717000.0 1063417000.0
Total Operating Expenses 4335525000.0 2272240000.0
Cost Of Revenue 527038000.0 489563000.0
Total Other Income Expense Net -73623000.0 -75542000.0
Discontinued Operations None None
Net Income From Continuing Ops -1979516000.0 -936519000.0
Net Income Applicable To Common Shares -1980117000.0 -936457000.0]
10
['mutualfund_holders', Holder Shares Date Reported]
0 Vanguard Total Stock Market Index Fund 10743775 2021-12-30
1 Vanguard Small-Cap Index Fund 9517470 2021-12-30
2 iShares Core S&P Midcap ETF 8386370 2022-01-30
3 Fidelity Low-Priced Stock Fund 7654281 2022-02-27
4 Price (T.Rowe) Mid-Cap Value Fund 6376041 2021-12-30
5 Vanguard Small Cap Value Index Fund 6033276 2021-12-30
6 Blackrock Equity Dividend Fund 4987579 2022-01-30
7 BlackRock Global Allocation Fund 4799848 2022-01-30
8 Fidelity Mid-Cap Stock Fund 4651596 2022-02-27
9 SPDR (R) Ser Tr-SPDR (R) S&P (R) Oil & Gas Exp... 4286671 2022-01-30

% Out Value
0 0.0291 234321732
1 0.0258 207576020
2 0.0227 178210362
3 0.0207 177120062
4 0.0173 139061454
5 0.0163 131585749
6 0.0135 105986053
7 0.0130 101996770
8 0.0126 107637931
9 0.0116 91091758]
3
['options', ('2022-06-17', '2023-01-20', '2024-01-19')]
27
['sustainability', Value
2022-5
palmOil False
controversialWeapons False
gambling False
socialScore 10.21
nuclear False
furLeather False
alcoholic False
gmo False
catholic False
socialPercentile 0
peerCount 66
governanceScore 7.64
environmentPercentile 0
animalTesting False

```

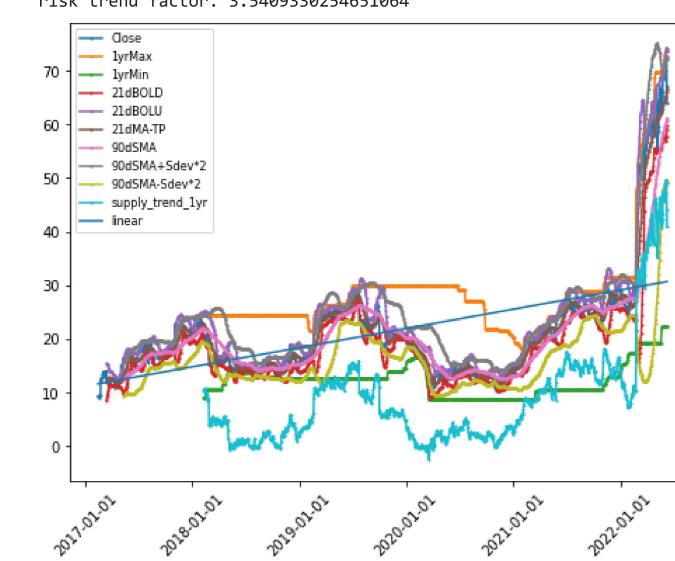
tobacco      False
totalEsg     37.38
highestControversy 1
esgPerformance LEAD_PERF
coal         False
pesticides   False
adult        False
percentile   83.58
peerGroup    Oil & Gas Producers
smallArms    False
environmentScore 19.53
governancePercentile 0
militaryContract False]
LNTH

```

Index: SP600
Sector: Healthcare

supply trend: 10889615.279878972

risk trend factor: 3.5409330254651064



```

beta currentRatio debtToEquity earningsGrowth ebitda \
LNTH 0.750453 1.828 36.846 3.692 108329000

```

```

ebitdaMargins forwardPE freeCashflow grossMargins grossProfits \
LNTH 0.20002 21.648647 77142872 0.50913 187695000

```

```

heldPercentInstitutions industry marketCap \
LNTH 1.01214 Diagnostics & Research 4947831808

```

```

operatingCashflow operatingMargins payoutRatio pegRatio priceToBook \
LNTH 54362000 0.11518 0 0.63 9.582613

```

```

priceToSalesTrailing12Months profitMargins quickRatio returnOnAssets \
LNTH 9.135937 -0.06892 1.563 0.04389

```

```

returnOnEquity revenueGrowth revenuePerShare sector \
LNTH -0.07151 1.258 7.998 Healthcare

```

```

sharesOutstanding shortRatio totalCash totalCashPerShare totalDebt \
LNTH 68634096 2 105355000 1.535 190072992

```

```

totalRevenue
LNTH 541579008
2022-06-10

```

21dBOLD 21dMA-TP 21dBOLU

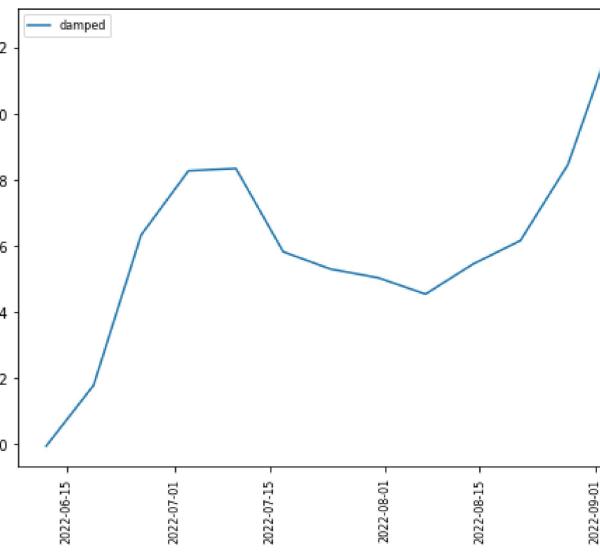
2022-06-10 59.745909 66.695412 73.644916

	volume_factor	latest_p	vol_30d_2yr	pct_2yr	adf	hurst
LNTH	2.300963	63.849998	10889615.279879	0.843029	0.990883	0.532857

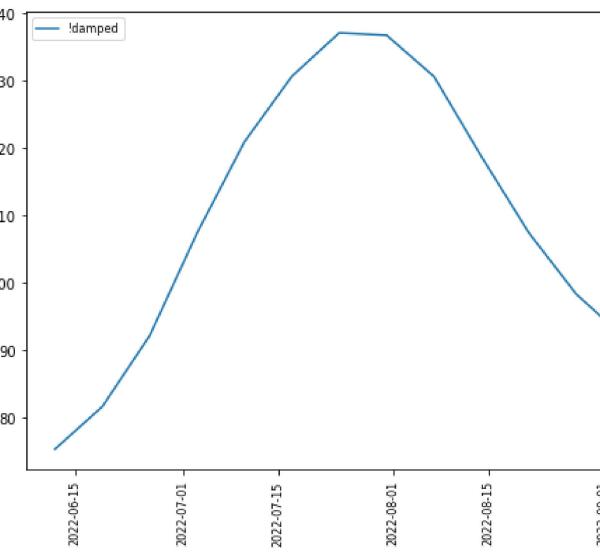
```

ets next 13 weeks
sell date: 2022-09-04
expected return: LNTH 0.292505
Name: latest_p, dtype: object

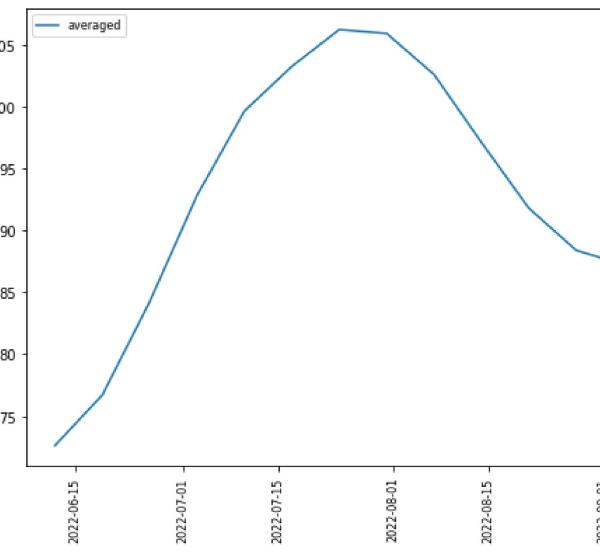
```



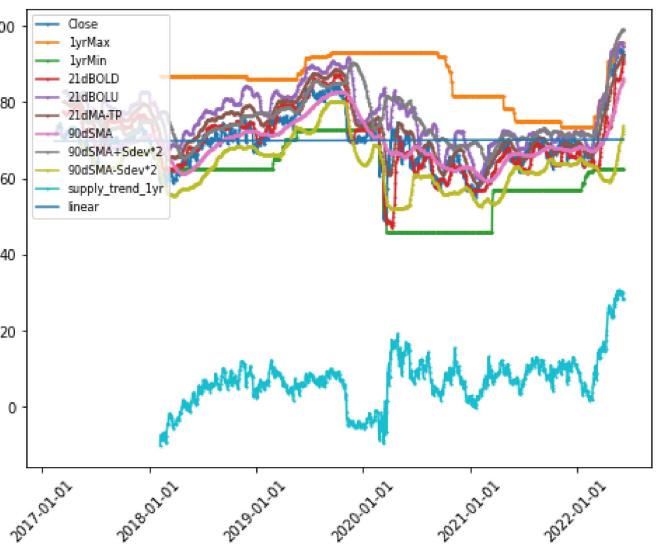
sell date: 2022-09-04
expected return: LNTH 1.14797
Name: latest_p, dtype: object



sell date: 2022-07-24
expected return: LNTH 0.663605
Name: latest_p, dtype: object



```
1
['options', ('2022-07-15',)]
SWX
Index: SP400
Sector: Utilities
supply trend: 7059509.30408472
risk trend factor: 3.5300741485196108
```



```

beta currentRatio debtToEquity dividendRate dividendYield \
SWX 0.108035      0.778     174.475      2.48      0.0263

earningsGrowth      ebitda ebitdaMargins forwardPE freeCashflow \
SWX -0.222    786628992      0.19366   19.052631 -470833120

grossMargins grossProfits heldPercentInstitutions \
SWX 0.21709      853431000      0.89023

industry marketCap operatingCashflow operatingMargins \
SWX Utilities-Regulated Gas 6292110336      350460000      0.09512

payoutRatio pegRatio priceToBook priceToSalesTrailing12Months \
SWX 0.8123      5.02      1.803307      1.549036

profitMargins quickRatio returnOnAssets returnOnEquity revenueGrowth \
SWX 0.04423      0.551      0.02178      0.05621      0.431

revenuePerShare      sector sharesOutstanding shortRatio totalCash \
SWX 67.779 Utilities      66852000      1.78 624665984

totalCashPerShare      totalDebt totalRevenue trailingPE
SWX 9.344 6324827136 4061953024 31.40474
2022-06-10

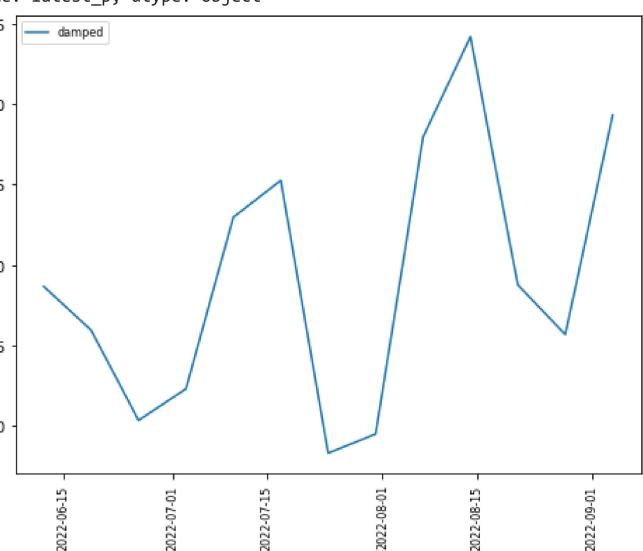
```

21dBOLD 21dMA-TP 21dBOLU

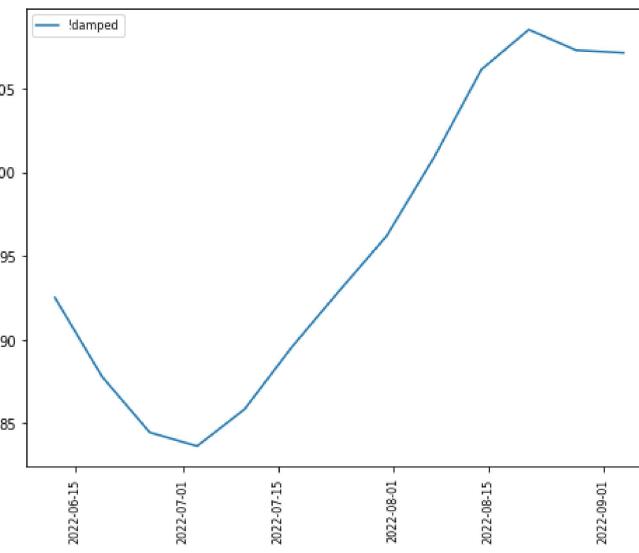
```
2022-06-10 91.063144 92.741905 94.420666
```

	volume_factor	latest_p	vol_30d_2yr	pct_2yr	adf	hurst
SWX	1.47625	91.889999	7059509.304085	0.903418	0.284442	0.398907

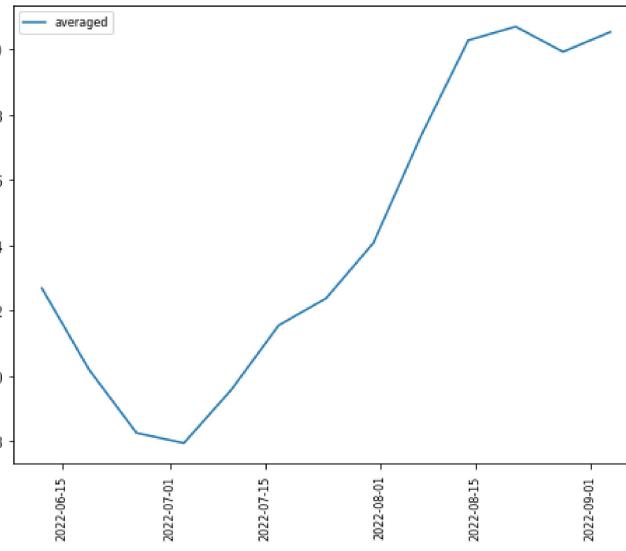
ets next 13 weeks
sell date: 2022-08-14
expected return: SWX 0.027546
Name: latest_p, dtype: object



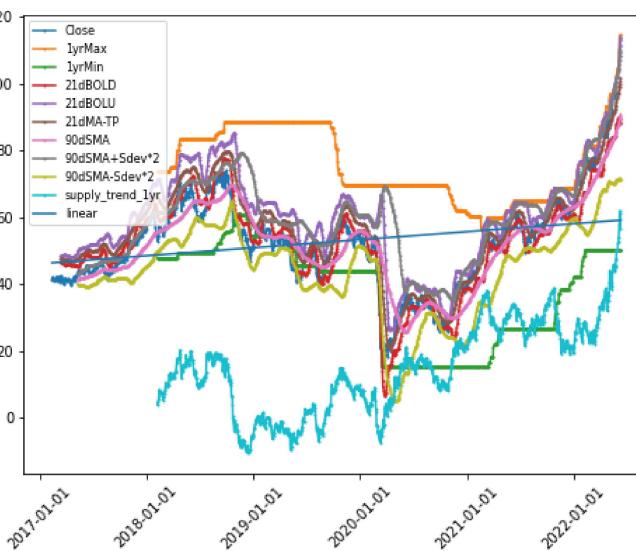
sell date: 2022-08-14
expected return: SWX 0.180796
Name: latest_p, dtype: object



sell date: 2022-08-21
 expected return: SWX 0.095759
 Name: latest_p, dtype: object



```
1
['options', ('2022-07-15',)]
MPC
Index: SP500
Sector: Energy
supply trend: 132481329.19818456
risk trend factor: 3.5134226610249177
```



```

beta currentRatio debtToEquity dividendRate dividendYield \
MPC 1.910294      1.704     80.117      2.32      0.0242

earningsGrowth      ebitda ebitdaMargins forwardPE freeCashflow \
MPC    1.917   7120999936     0.05912  25.672987  16415250432

grossMargins grossProfits heldPercentInstitutions \
MPC    0.0867  10443000000      0.82037

industry      marketCap operatingCashflow \
MPC Oil & Gas Refining & Marketing 66692796416      4360000000

operatingMargins payoutRatio pegRatio priceToBook \
MPC    0.03119     0.5472     0.55      2.38288

priceToSalesTrailing12Months profitMargins quickRatio returnOnAssets \
MPC    0.553692     0.08085    1.222      0.02754

returnOnEquity revenueGrowth revenuePerShare sector sharesOutstanding \
MPC    0.08003      0.967     189.986 Energy      615587968

shortRatio      totalCash totalCashPerShare      totalDebt totalRevenue \
MPC    2.92  10839000064      19.177  26904000512  120450998272

trailingPE
MPC 7.604941
2022-06-10

```

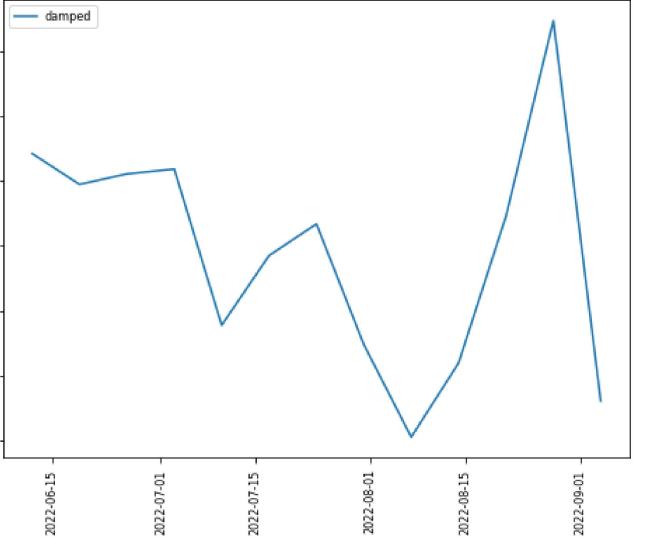
21dBOLD 21dMA-TP 21dBOLU

2022-06-10 89.236784 101.560094 113.883404

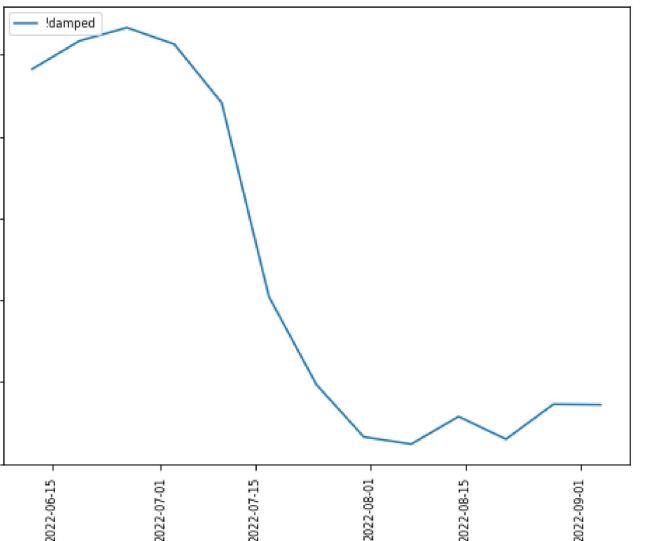
volume_factor	latest_p	vol_30d_2yr	pct_2yr	adf	hurst
---------------	----------	-------------	---------	-----	-------

MPC 0.997729 108.339996 132481329.198185 0.931541 0.991702 0.523957

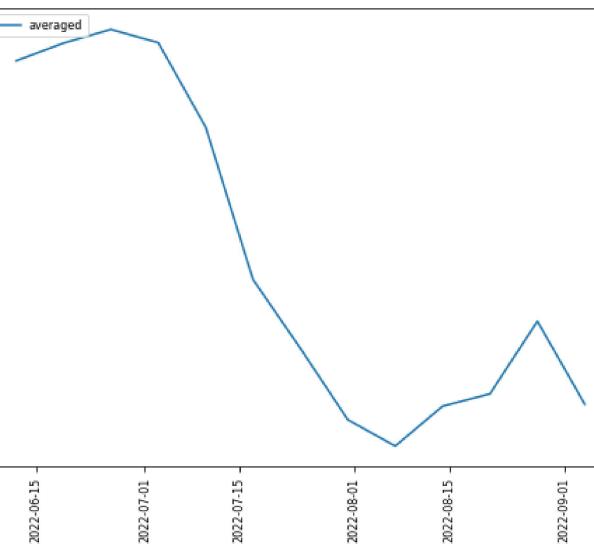
ets next 13 weeks
sell date: 2022-08-28
expected return: MPC 0.038072
Name: latest_p, dtype: object



sell date: 2022-08-28
expected return: MPC 0.076858
Name: latest_p, dtype: object



sell date: 2022-06-26
expected return: MPC 0.046572
Name: latest_p, dtype: object



			2021-12-31	2021-09-30	2021-06-30	\
['quarterly_balance_sheet',						
Capital Surplus	3.326200e+10	3.325600e+10	3.323800e+10			
Total Liab	5.179200e+10	5.333600e+10	5.760700e+10			
Total Stockholder Equity	2.620600e+10	2.828000e+10	2.892100e+10			
Minority Interest	7.375000e+09	7.684000e+09	7.772000e+09			
Other Current Liab	2.278000e+09	3.377000e+09	6.148000e+09			
Total Assets	8.537300e+10	8.930000e+10	9.430000e+10			
Common Stock	1.000000e+07	1.000000e+07	1.000000e+07			
Other Current Assets	5.680000e+08	5.850000e+08	5.850000e+08			
Retained Earnings	1.290500e+10	1.248400e+10	1.216000e+10			
Other Liab	7.999000e+09	8.193000e+09	8.825000e+09			
Good Will	8.256000e+09	8.256000e+09	8.256000e+09			
Treasury Stock	-1.997100e+10	-1.747000e+10	-1.648700e+10			
Other Assets	2.400000e+09	2.463000e+09	2.532000e+09			
Cash	5.291000e+09	5.874000e+09	1.183900e+10			
Total Current Liabilities	1.789800e+10	1.689800e+10	1.951200e+10			
Deferred Long Term Asset Charges	2.000000e+06	NaN	NaN			
Short Long Term Debt	4.980000e+08	7.300000e+07	7.000000e+07			
Other Stockholder Equity	-6.700000e+07	-3.440000e+08	-3.400000e+08			
Property Plant Equipment	3.881200e+10	3.905400e+10	3.949600e+10			
Total Current Assets	3.049600e+10	3.414300e+10	3.859200e+10			
Long Term Investments	5.409000e+09	5.384000e+09	5.424000e+09			
Net Tangible Assets	1.795000e+10	2.002400e+10	2.066500e+10			
Short Term Investments	5.548000e+09	7.352000e+09	5.418000e+09			
Net Receivables	1.103400e+10	1.112100e+10	1.187100e+10			
Long Term Debt	2.444300e+10	2.665500e+10	2.763900e+10			
Inventory	8.055000e+09	9.211000e+09	8.879000e+09			
Accounts Payable	1.370000e+10	1.219600e+10	1.217000e+10			

	2021-03-31
Capital Surplus	3.322200e+10
Total Liab	5.717200e+10
Total Stockholder Equity	2.159200e+10
Minority Interest	7.887000e+09
Other Current Liab	3.370000e+09
Total Assets	8.665100e+10
Common Stock	1.000000e+07
Other Current Assets	1.176200e+10
Retained Earnings	4.029000e+09
Other Liab	9.386000e+09
Good Will	8.256000e+09
Treasury Stock	-1.566900e+10
Other Assets	2.594000e+09
Cash	6.240000e+08
Total Current Liabilities	1.608500e+10
Deferred Long Term Asset Charges	NaN
Short Long Term Debt	6.900000e+07
Other Stockholder Equity	-5.110000e+08
Property Plant Equipment	4.000500e+10
Total Current Assets	3.036100e+10
Long Term Investments	5.435000e+09
Net Tangible Assets	1.333600e+10
Short Term Investments	NaN
Net Receivables	9.568000e+09
Long Term Debt	3.006100e+10
Inventory	8.407000e+09
Accounts Payable	9.953000e+09

	2021-12-31	2021-09-30	\
['quarterly_cashflow',			
Investments	1.742000e+09	-1.934000e+09	
Change To Liabilities	1.590000e+09	1.930000e+08	
Total Cashflows From Investing Activities	1.448000e+09	-2.054000e+09	
Net Borrowings	-1.951000e+09	-1.018000e+09	
Total Cash From Financing Activities	-5.703000e+09	-2.762000e+09	
Change To Operating Activities	-2.000000e+06	1.000000e+06	
Issuance Of Stock	3.500000e+07	1.800000e+07	
Net Income	7.740000e+08	6.940000e+08	
Change In Cash	-5.810000e+08	-5.964000e+09	
Repurchase Of Stock	-2.742000e+09	-9.280000e+08	
Total Cash From Operating Activities	3.674000e+09	-1.148000e+09	
Depreciation	8.130000e+08	8.360000e+08	
Other Cashflows From Investing Activities	1.320000e+08	2.400000e+08	
Dividends Paid	-3.540000e+08	-3.700000e+08	
Change To Inventory	1.173000e+09	-3.260000e+08	
Change To Account Receivables	-1.534000e+09	1.820000e+08	
Other Cashflows From Financing Activities	-6.910000e+08	-4.640000e+08	
Change To Netincome	8.400000e+08	-2.746000e+09	
Capital Expenditures	-4.810000e+08	-3.770000e+08	

	2021-06-30	2021-03-31
Investments	-5.477000e+09	-5.000000e+07
Change To Liabilities	2.656000e+09	1.821000e+09
Total Cashflows From Investing Activities	1.567000e+10	-2.670000e+08
Net Borrowings	-4.169000e+09	8.650000e+08
Total Cash From Financing Activities	-5.970000e+09	1.600000e+07
Change To Operating Activities	-1.000000e+06	5.000000e+06
Issuance Of Stock	3.000000e+07	2.300000e+07
Net Income	8.512000e+09	-2.420000e+08
Change In Cash	1.108000e+10	2.030000e+08
Repurchase Of Stock	-9.840000e+08	-9.840000e+08

```

Depreciation 8.710000e+08 8.440000e+08
Other Cashflows From Investing Activities 2.144400e+10 1.100000e+07
Dividends Paid -3.810000e+08 -3.790000e+08
Change To Inventory -4.720000e+08 -4.080000e+08
Change To Account Receivables -2.224000e+09 -1.723000e+09
Other Cashflows From Financing Activities -4.660000e+08 -4.930000e+08
Change To Netincome -7.981000e+09 1.350000e+08
Capital Expenditures -3.020000e+08 -3.040000e+08 ]

```

```

4
['quarterly_earnings', Revenue Earnings
Quarter
1Q2021 22788000000 -242000000
2Q2021 29734000000 8512000000
3Q2021 32491000000 694000000
4Q2021 35438000000 774000000]

```

22

```
['quarterly_financials', 2021-12-31 2021-09-30 \
```

	2021-12-31	2021-09-30	\
Research Development	None	None	
Effect Of Accounting Charges	None	None	
Income Before Tax	1348000000.0	1012000000.0	
Minority Interest	7375000000.0	7684000000.0	
Net Income	774000000.0	694000000.0	
Selling General Administrative	654000000.0	691000000.0	
Gross Profit	3254000000.0	2928000000.0	
Ebit	1610000000.0	1208000000.0	
Operating Income	1610000000.0	1208000000.0	
Other Operating Expenses	1770000000.0	1930000000.0	
Interest Expense	-302000000.0	-313000000.0	
Extraordinary Items	None	None	
Non Recurring	None	None	
Other Items	None	None	
Income Tax Expense	243000000.0	-18000000.0	
Total Revenue	35438000000.0	32491000000.0	
Total Operating Expenses	33828000000.0	31283000000.0	
Cost Of Revenue	32184000000.0	29563000000.0	
Total Other Income Expense Net	-262000000.0	-196000000.0	
Discontinued Operations	Nan	Nan	
Net Income From Continuing Ops	1105000000.0	1030000000.0	
Net Income Applicable To Common Shares	772000000.0	694000000.0	

	2021-06-30	2021-03-31	
Research Development	None	None	
Effect Of Accounting Charges	None	None	
Income Before Tax	593000000.0	-136000000.0	
Minority Interest	7772000000.0	7887000000.0	
Net Income	8512000000.0	-242000000.0	
Selling General Administrative	681000000.0	575000000.0	
Gross Profit	2557000000.0	1704000000.0	
Ebit	816000000.0	123000000.0	
Operating Income	816000000.0	123000000.0	
Other Operating Expenses	189000000.0	162000000.0	
Interest Expense	-318000000.0	-334000000.0	
Extraordinary Items	None	None	
Non Recurring	None	None	
Other Items	None	None	
Income Tax Expense	5000000.0	34000000.0	
Total Revenue	29734000000.0	22788000000.0	
Total Operating Expenses	28918000000.0	22665000000.0	
Cost Of Revenue	27177000000.0	21084000000.0	
Total Other Income Expense Net	-223000000.0	-259000000.0	
Discontinued Operations	8214000000.0	234000000.0	
Net Income From Continuing Ops	588000000.0	-170000000.0	
Net Income Applicable To Common Shares	8512000000.0	-242000000.0]

10

	Holder	Shares	Date Reported	\
0	Select Sector SPDR Fund-Energy Select	18103056	2022-01-30	
1	Vanguard Total Stock Market Index Fund	17494854	2021-12-30	
2	Vanguard 500 Index Fund	13037019	2021-12-30	
3	Vanguard Mid-Cap Index Fund	6960433	2021-12-30	
4	SPDR S&P 500 ETF Trust	6540311	2022-01-30	
5	Fidelity 500 Index Fund	6304109	2022-02-27	
6	iShares Core S&P 500 ETF	5120813	2022-01-30	
7	Vanguard Index-Value Index Fund	4704115	2021-12-30	
8	Vanguard Institutional Index Fund-Institutional...	4638261	2021-12-30	
9	iShares Select Dividend ETF	4127022	2022-01-30	

% Out	Value
0.0335	1298894268
0.0323	1119495707
0.0241	834238845
0.0129	445398107
0.0121	469267314
0.0117	490900967
0.0095	367418332
0.0087	301016318
0.0086	296802321
0.0076	296113828

4

['options', ('2022-07-15', '2022-09-16', '2023-01-20', '2024-01-19')]

27

['sustainability', Value

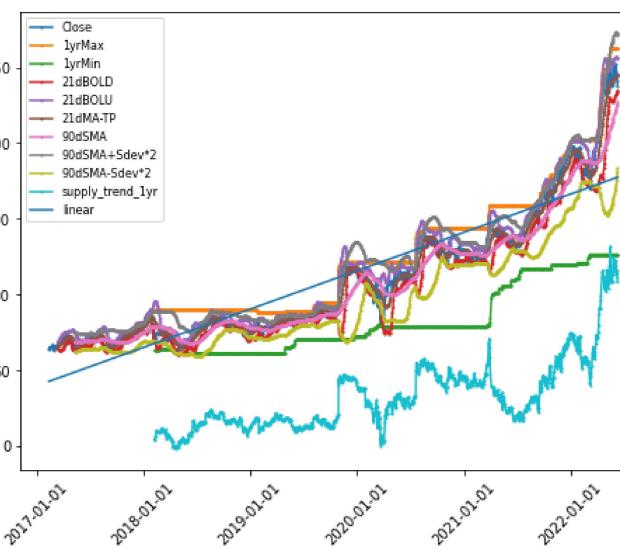
2022-5

```

palmOil False
controversialWeapons False
gambling False
socialScore 7.01
nuclear False
furLeather False
alcoholic False
gmo False
catholic False
socialPercentile 0
peerCount 39
governanceScore 5.87
environmentPercentile 0
animalTesting False
tobacco False
totalEsg 28.78
highestControversy 3
esgPerformance None
coal False
pesticides False
adult False
percentile 57.14
peerGroup Refiners & Pipelines
smallArms False
environmentScore 15.91
governancePercentile 0
militaryContract False]
MUSA

```

Index: SP400
Sector: Consumer Cyclical
supply trend: 7365132.299546142
risk trend factor: 3.503539798547629



```

beta currentRatio debtToEquity dividendRate dividendYield \
MUSA 0.820982 1.083 283.285 1.24 0.005

```

```

earningsGrowth ebitda ebitdaMargins forwardPE freeCashflow \
MUSA 2.025 950200000 0.05637 19.691177 451787488

```

```

grossMargins grossProfits heldPercentInstitutions industry \
MUSA 0.07071 1064700000 0.86324 Specialty Retail

```

```

marketCap operatingCashflow operatingMargins payoutRatio pegRatio \
MUSA 6157129216 846800000 0.04334 0.0569 3.33

```

```

priceToBook priceToSalesTrailing12Months profitMargins quickRatio \
MUSA 7.779171 0.365287 0.02931 0.733

```

```

returnOnAssets returnOnEquity revenueGrowth revenuePerShare \
MUSA 0.11155 0.62846 0.501 658.653

```

```

sector sharesOutstanding shortRatio totalCash \
MUSA Consumer Cyclical 24201600 4.6 356200000

```

```

totalCashPerShare totalDebt totalRevenue trailingPE
MUSA 14.718 2242200064 16855600128 13.386478
2022-06-10

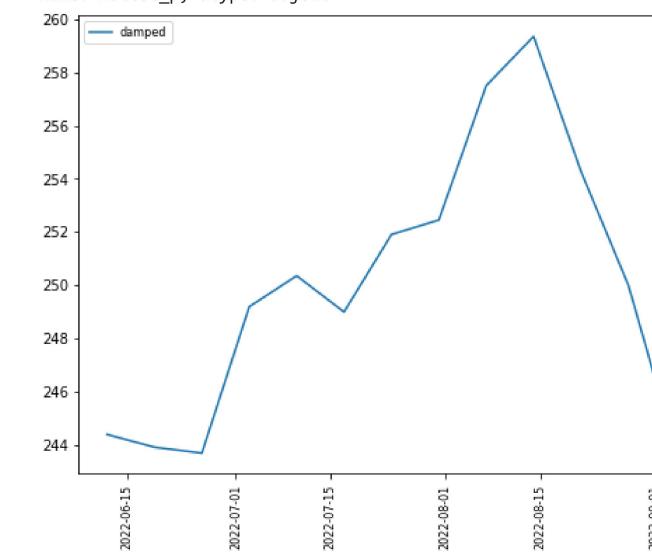
```

21dBOLD 21dMA-TP 21dBOLU

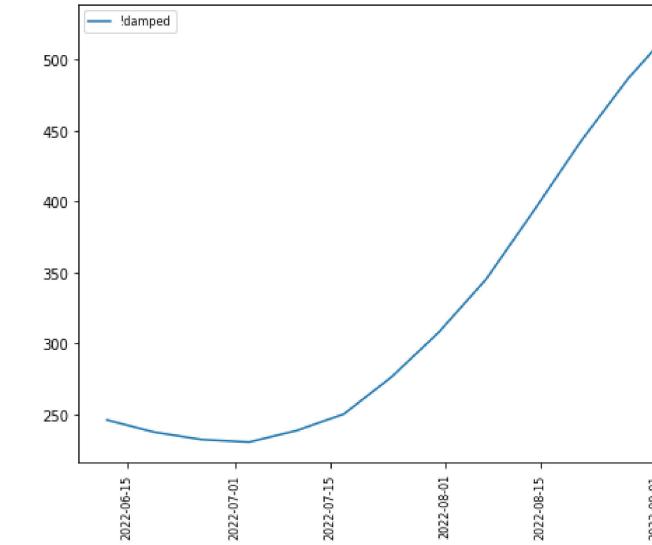
2022-06-10 234.45771 245.340318 256.222926

	volume_factor	latest_p	vol_30d_2yr	pct_2yr	adf	hurst
MUSA	1.023661	237.960007	7365132.299546	0.839578	0.99617	0.410367

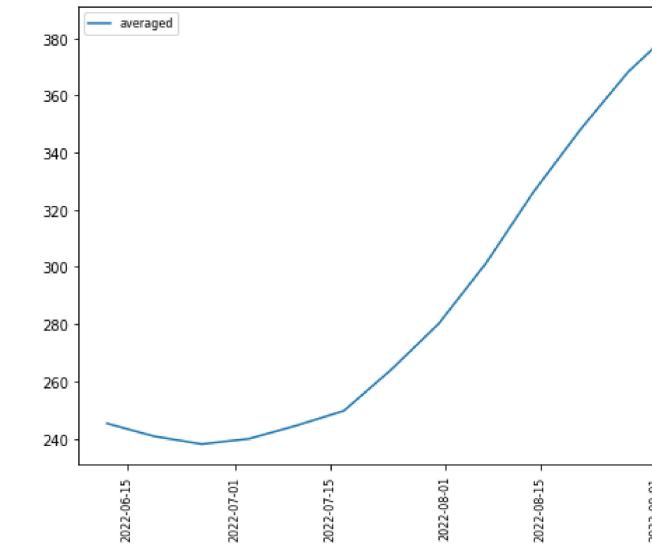
ets next 13 weeks
sell date: 2022-08-14
expected return: MUSA 0.089939
Name: latest_p, dtype: object



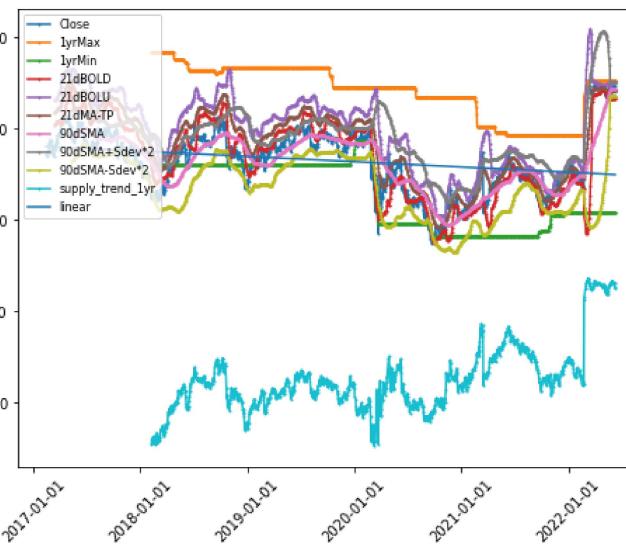
sell date: 2022-08-14
expected return: MUSA 1.200506
Name: latest_p, dtype: object



sell date: 2022-09-04
expected return: MUSA 0.612441
Name: latest_p, dtype: object



2
['options', ('2022-07-15', '2022-11-18')]
SJI
Index: SP600
Sector: Utilities
supply trend: 18167782.072617248
risk trend factor: 3.390475619569739



SJI beta currentRatio debtToEquity dividendRate dividendYield ebitda \

SJI 0.767156 0.669 180.745 1.24 0.0371 563539008
ebitdaMargins forwardPE freeCashflow grossMargins grossProfits \

SJI 0.2829 20.39521 -181286880 0.24213 482333000
heldPercentInstitutions industry marketCap \

SJI 0.85604 Utilities-Diversified 3829979136
operatingCashflow operatingMargins payoutRatio pegRatio priceToBook \

SJI 273112992 0.17665 1.9758 3.88 2.094454
priceToSalesTrailing12Months profitMargins quickRatio returnOnAssets \

SJI 1.922684 0.04422 0.438 0.03142
returnOnEquity revenuePerShare sector sharesOutstanding shortRatio \

SJI 0.04828 18.23 Utilities 112448000 3.26
totalCash totalCashPerShare totalDebt totalRevenue trailingPE

SJI 28754000 0.245 3613896960 1991996032 48.587734

2022-06-10

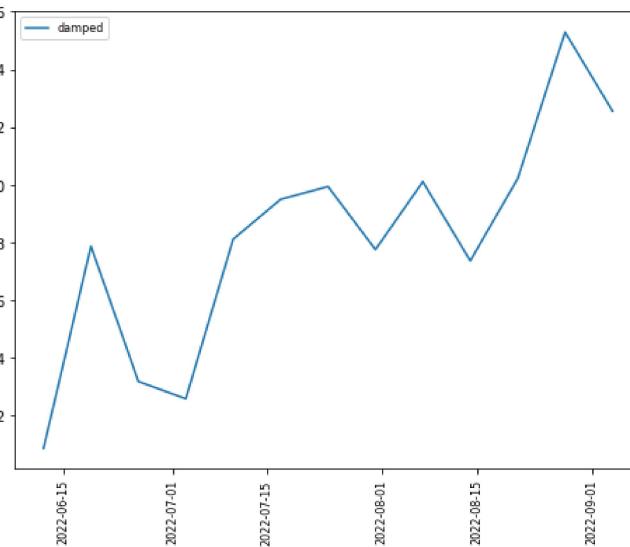
21dBOLD 21dMA-TP 21dBOLU

2022-06-10 33.346404 34.247778 35.149152

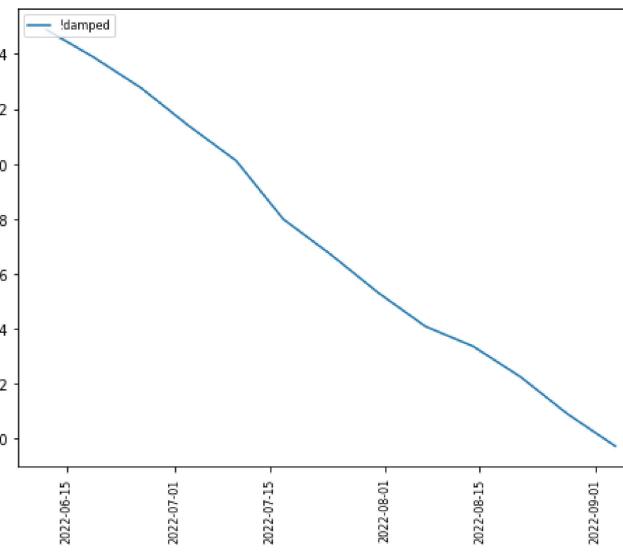
volume_factor latest_p vol_30d_2yr pct_2yr adf hurst

SJI 1.10309 34.060001 18167782.072617 0.92623 0.165217 0.413386

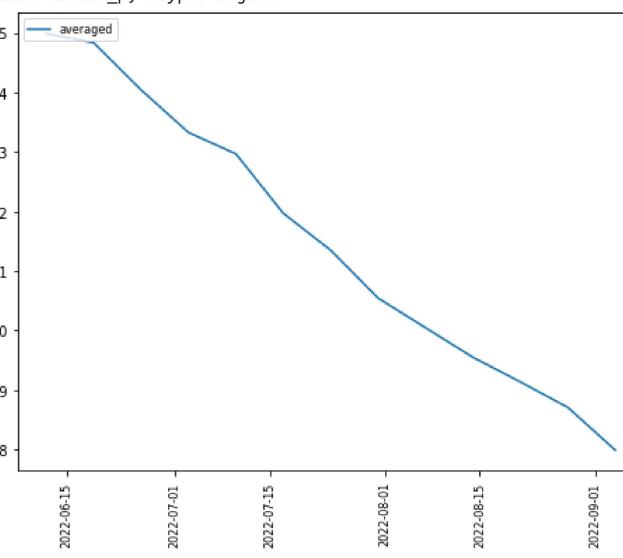
ets next 13 weeks
sell date: 2022-08-28
expected return: SJI 0.072478
Name: latest_p, dtype: object



sell date: 2022-08-28
expected return: SJI 0.024309
Name: latest_p, dtype: object



sell date: 2022-06-12
expected return: SJI 0.027219
Name: latest_p, dtype: object



27					
	'quarterly_balance_sheet',	2021-12-31	2021-09-30	2021-06-30	\
Intangible Assets	1.404300e+07	1.473100e+07	1.611800e+07		
Capital Surplus	1.559060e+09	1.463655e+09	1.462322e+09		
Total Liab	5.309231e+09	5.187967e+09	4.938285e+09		
Total Stockholder Equity	1.989152e+09	1.828587e+09	1.887399e+09		
Minority Interest	1.028900e+07	7.457000e+06	7.425000e+06		
Deferred Long Term Liab	6.724160e+08	6.694870e+08	6.701760e+08		
Other Current Liab	1.596050e+08	2.273930e+08	1.760970e+08		
Total Assets	7.308672e+09	7.024011e+09	6.833109e+09		
Common Stock	1.466750e+08	1.405610e+08	1.405570e+08		
Other Current Assets	9.504100e+07	1.416900e+08	8.351100e+07		
Retained Earnings	3.104330e+08	2.628420e+08	3.229880e+08		
Other Liab	1.141049e+09	1.165851e+09	1.163466e+09		
Good Will	7.069600e+08	7.069600e+08	7.069600e+08		
Treasury Stock	-2.701600e+07	-3.847100e+07	-3.846800e+07		
Other Assets	9.811060e+08	9.530460e+08	9.168080e+08		
Cash	2.875400e+07	2.541500e+07	8.789900e+07		
Total Current Liabilities	9.556820e+08	8.187800e+08	5.896010e+08		
Short Long Term Debt	6.663900e+07	6.663600e+07	9.155500e+07		
Other Stockholder Equity	-2.672900e+07	-3.819100e+07	-3.820000e+07		
Property Plant Equipment	4.929055e+09	4.741429e+09	4.633664e+09		
Total Current Assets	6.389620e+08	5.716560e+08	5.270180e+08		
Long Term Investments	3.854600e+07	3.618900e+07	3.254100e+07		
Net Tangible Assets	1.268149e+09	1.106896e+09	1.164321e+09		
Net Receivables	3.951240e+08	2.603440e+08	2.495690e+08		
Long Term Debt	3.190808e+09	3.197736e+09	3.182118e+09		
Inventory	6.079700e+07	6.639100e+07	4.158000e+07		
Accounts Payable	3.301640e+08	3.009550e+08	2.261080e+08		
	2021-03-31				
Intangible Assets	1.570100e+07				
Capital Surplus	1.193552e+09				
Total Liab	4.971266e+09				
Total Stockholder Equity	1.737118e+09				
Minority Interest	6.124000e+06				
Deferred Long Term Liab	6.507100e+08				
Other Current Liab	1.368470e+08				
Total Assets	6.714508e+09				
Common Stock	1.282150e+08				
Other Current Assets	3.854100e+07				
Retained Earnings	4.538230e+08				
Other Liab	1.148234e+09				
Good Will	7.069600e+08				
Treasury Stock	-3.847200e+07				
Other Assets	8.649660e+08				
Cash	3.038600e+07				
Total Current Liabilities	7.526990e+08				
Short Long Term Debt	1.433030e+08				
Other Stockholder Equity	-3.820800e+07				
Property Plant Equipment	4.524998e+09				
Total Current Assets	4.889150e+08				
Long Term Investments	1.129680e+08				
Net Tangible Assets	1.014457e+09				
Net Receivables	3.626680e+08				
Long Term Debt	3.067233e+09				
Inventory	2.054900e+07				
Accounts Payable	2.180780e+08]
15					
	'quarterly_cashflow',	2021-12-31	2021-09-30	\	
Net Income	0.0	-2613000.0			
Change To Liabilities	0.0	0.0			
Investments	NaN	-22044000.0			
Total Cashflows From Investing Activities	NaN	-164851000.0			
Net Borrowings	NaN	107800000.0			
Total Cash From Financing Activities	NaN	70091000.0			
Change In Cash	NaN	-62484000.0			
Total Cash From Operating Activities	NaN	32276000.0			
Depreciation	NaN	48089000.0			
Other Cashflows From Investing Activities	NaN	-1418000.0			
Dividends Paid	NaN	-34007000.0			
Other Cashflows From Financing Activities	NaN	-3702000.0			
Change To Netincome	NaN	10317000.0			
Capital Expenditures	NaN	-141378000.0			
Issuance Of Stock	NaN	NaN			
	2021-06-30	2021-03-31			
Net Income	-96828000.0	128598000.0			
Change To Liabilities	0.0	0.0			
Investments	-17530000.0	-196000.0			
Total Cashflows From Investing Activities	-156992000.0	-112328000.0			
Net Borrowings	-84100000.0	-127600000.0			
Total Cash From Financing Activities	169869000.0	-96098000.0			
Change In Cash	56065000.0	-9963000.0			
Total Cash From Operating Activities	43188000.0	198463000.0			
Depreciation	49180000.0	54440000.0			
Other Cashflows From Investing Activities	1968000.0	-6752000.0			
Dividends Paid	-30453000.0	-30453000.0			
Other Cashflows From Financing Activities	-3078000.0	-10770000.0			
Change To Netincome	90836000.0	15425000.0			
Capital Expenditures	-126758000.0	-105380000.0			
Issuance Of Stock	287500000.0	42272000.0]

```

4
['quarterly_earnings',      Revenue   Earnings
Quarter
1Q2021    674300000  128598000
2Q2021    311828000  -96828000
3Q2021    365631000  -26130000
4Q2021      0          0]
22

```

```

['quarterly_financials',
Research Development           None      None      None
Effect Of Accounting Charges  None      None      None
Income Before Tax              NaN      -37557000.0 -101362000.0
Minority Interest              10289000.0 7457000.0 7425000.0
Net Income                     0.0      -2613000.0 -96828000.0
Selling General Administrative None      None      None
Gross Profit                   0.0      16068000.0 47452000.0
Ebit                           0.0      -8973000.0 11609000.0
Operating Income               NaN      -8973000.0 11609000.0
Other Operating Expenses       NaN      -8040000.0 2812000.0
Interest Expense               NaN      -31468000.0 -31185000.0
Extraordinary Items            None      None      None
Non Recurring                  None      None      None
Other Items                     None      None      None
Income Tax Expense              0.0      -11727000.0 -4702000.0
Total Revenue                  0.0      365631000.0 311828000.0
Total Operating Expenses       0.0      374604000.0 300219000.0
Cost Of Revenue                0.0      349563000.0 264376000.0
Total Other Income Expense Net 0.0      -28584000.0 -112971000.0
Discontinued Operations        NaN      -127000.0 -80000.0
Net Income From Continuing Ops NaN      -25830000.0 -96660000.0
Net Income Applicable To Common Shares NaN      -2613000.0 -96828000.0

```

```

2021-03-31
Research Development           None
Effect Of Accounting Charges  None
Income Before Tax              170567000.0
Minority Interest              6124000.0
Net Income                     128598000.0
Selling General Administrative None
Gross Profit                   232623000.0
Ebit                           196828000.0
Operating Income               196828000.0
Other Operating Expenses       3983000.0
Interest Expense               -31459000.0
Extraordinary Items            None
Non Recurring                  None
Other Items                     None
Income Tax Expense              41769000.0
Total Revenue                  674300000.0
Total Operating Expenses       477472000.0
Cost Of Revenue                441677000.0
Total Other Income Expense Net -26261000.0
Discontinued Operations        -71000.0
Net Income From Continuing Ops 128798000.0
Net Income Applicable To Common Shares 128598000.0 ]

```

```

10
['mutualfund_holders',
Holder      Shares Date Reported \
0  SPDR (R) Ser Tr- SPDR (R) S&P (R) Dividend ETF 11551756 2022-01-30
1  iShares Core S&P Smallcap ETF 7909776 2022-01-30
2  Vanguard Total Stock Market Index Fund 3185871 2021-12-30
3  Vanguard Small-Cap Index Fund 2832115 2021-12-30
4  iShares Russell 2000 ETF 2351525 2022-01-30
5  SSgA SPDR ETFS Europe I-SPDR S&P US Dividend A... 2037036 2022-02-27
6  SSgA SPDR ETFS Europe I-SPDR S&P U.S. Div Aris... 2037036 2022-02-27
7  iShares S&P Smallcap 600 Value ETF 1870014 2022-01-30
8  Vanguard Small Cap Value Index Fund 1795423 2021-12-30
9  Delaware Group Equity Funds V-Small Cap Value ... 1632000 2022-02-27

```

```

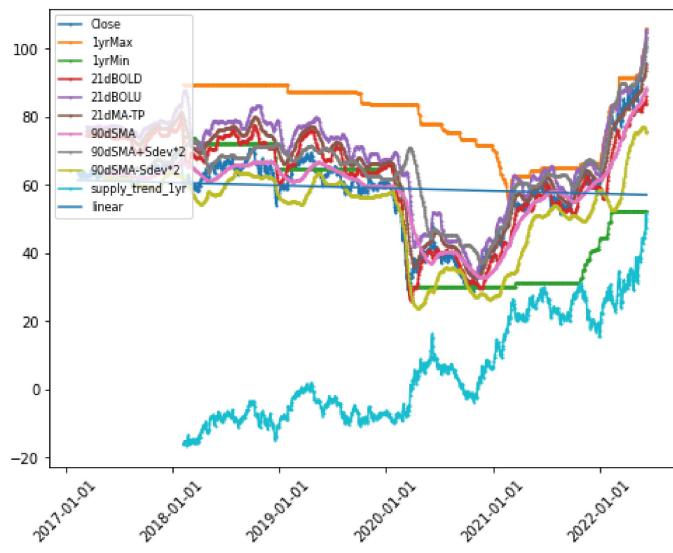
% Out      Value
0  0.0944  289024935
1  0.0646  197902595
2  0.0260  83214950
3  0.0231  73974843
4  0.0192  58835155
5  0.0166  69116631
6  0.0166  69116631
7  0.0153  46787750
8  0.0147  46896448
9  0.0133  55373760 ]
1

```

```

['options', ('2022-07-15',)]
XOM
Index: SP500
Sector: Energy
supply trend: 399482859.5310136
risk trend factor: 3.314307263718105

```



```

beta currentRatio debtToEquity dividendRate dividendYield \
XOM 1.040834 1.072 26.929 3.52 0.0341

earningsGrowth ebitda ebitdaMargins forwardPE freeCashflow \
XOM 1.003 53895000064 0.17427 11.818078 31484874752

grossMargins grossProfits heldPercentInstitutions industry \
XOM 0.31806 90045000000 0.56852 Oil & Gas Integrated

marketCap operatingCashflow operatingMargins payoutRatio pegRatio \
XOM 440658558976 53653000192 0.10859 0.5804 0.36

priceToBook priceToSalesTrailing12Months profitMargins quickRatio \
XOM 2.603749 1.424839 0.08339 0.739

returnOnAssets returnOnEquity revenueGrowth revenuePerShare sector \
XOM 0.06097 0.1559 0.525 72.369 Energy

sharesOutstanding shortRatio totalCash totalCashPerShare totalDebt \
XOM 4213199872 1.13 11073999872 2.629 47537000448

totalRevenue trailingPE
XOM 309269004288 17.34494
2022-06-10

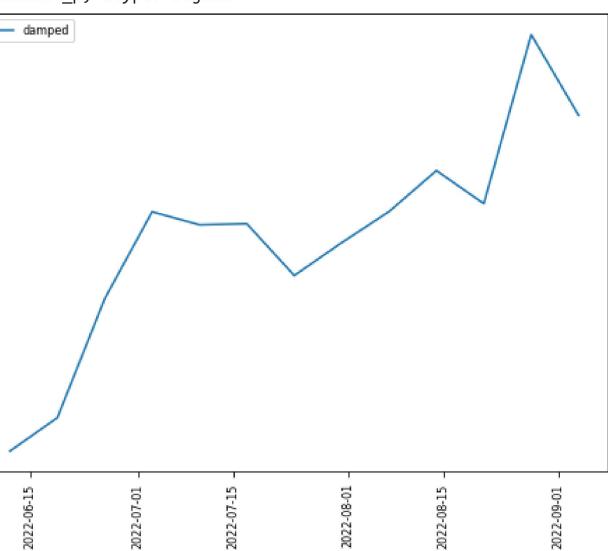
```

21dBOLD 21dMA-TP 21dBOLU

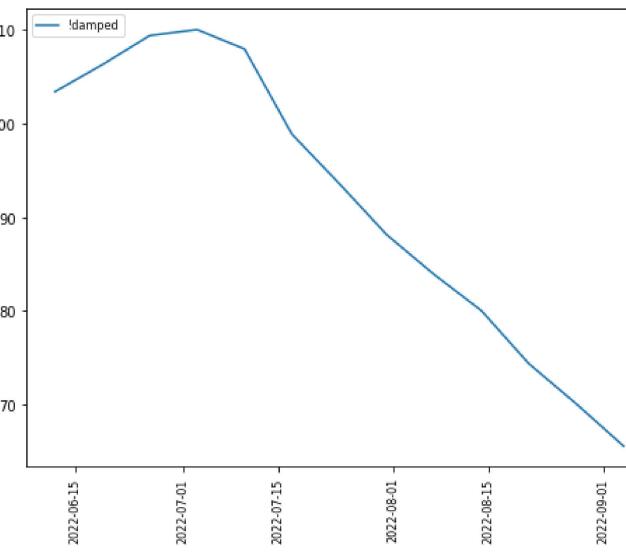
2022-06-10 85.804488 95.616984 105.42948

	volume_factor	latest_p	vol_30d_2yr	pct_2yr	adf	hurst
XOM	1.434399	100.459999	399482859.531014	0.931373	0.977852	0.536671

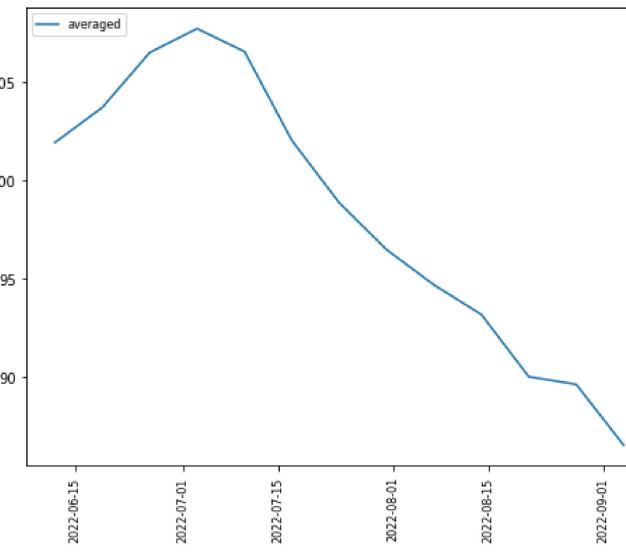
ets next 13 weeks
sell date: 2022-08-28
expected return: XOM 0.08576
Name: latest_p, dtype: object



sell date: 2022-08-28
expected return: XOM 0.094587
Name: latest_p, dtype: object



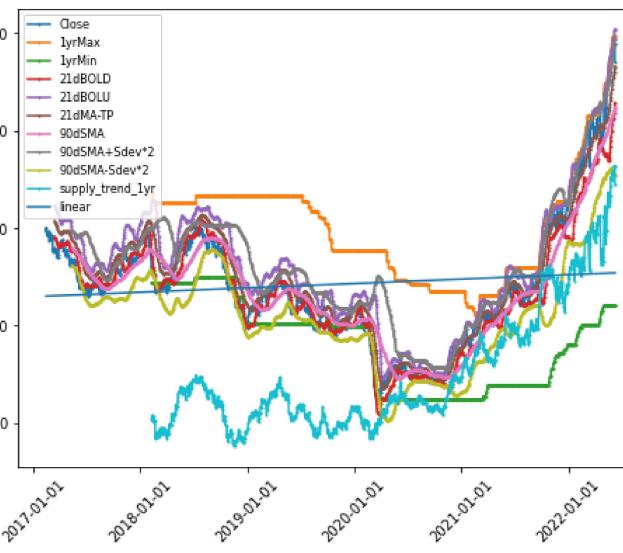
sell date: 2022-07-03
expected return: XOM 0.071865
Name: latest_p, dtype: object



5
['options', ('2022-06-17', '2022-07-15', '2023-01-20', '2024-01-19', '2026-02-21')]

27
['sustainability',
2022-5
palmOil False
controversialWeapons False
gambling False
socialScore 9.82
nuclear False
furLeather False
alcoholic False
gmo False
catholic False
socialPercentile None
peerCount 66
governanceScore 8.14
environmentPercentile None
animalTesting True
tobacco False
totalEsg 36.46
highestControversy 3
esgPerformance OUT_PERF
coal False
pesticides False
adult False
percentile 81.8
peerGroup Oil & Gas Producers
smallArms False
environmentScore 18.51
governancePercentile None
militaryContract False]
DVN

Index: SP500
Sector: Energy
supply trend: 181231964.52344933
risk trend factor: 3.2541850258631513



```

beta currentRatio debtToEquity dividendRate dividendYield \
DVN 2.784803      1.376     71.922      5.08      0.0739

```

```

ebitda ebitdaMargins forwardPE freeCashflow grossMargins \
DVN 5506999808      0.41984   14.160611   2805625088      0.56522

```

```

grossProfits heldPercentInstitutions industry marketCap \
DVN 7414000000      0.86307   Oil & Gas E&P 50138619904

```

```

operatingCashflow operatingMargins payoutRatio pegRatio priceToBook \
DVN 4898999808      0.25288     0.4991      0.43      5.618267

```

```

priceToSalesTrailing12Months profitMargins quickRatio returnOnAssets \
DVN 3.822415      0.21445     1.207       0.13402

```

```

returnOnEquity revenueGrowth revenuePerShare sector sharesOutstanding \
DVN 0.45627      2.003      19.784   Energy      677000000

```

```

shortRatio totalCash totalCashPerShare totalDebt totalRevenue \
DVN 1.7      2099000064      3.16    6760000000  13116999680

```

```

trailingPE
DVN 36.77259
2022-06-10

```

21dBOLD 21dMA-TP 21dBOLU

```

2022-06-10 65.748411 73.181587 80.614763

```

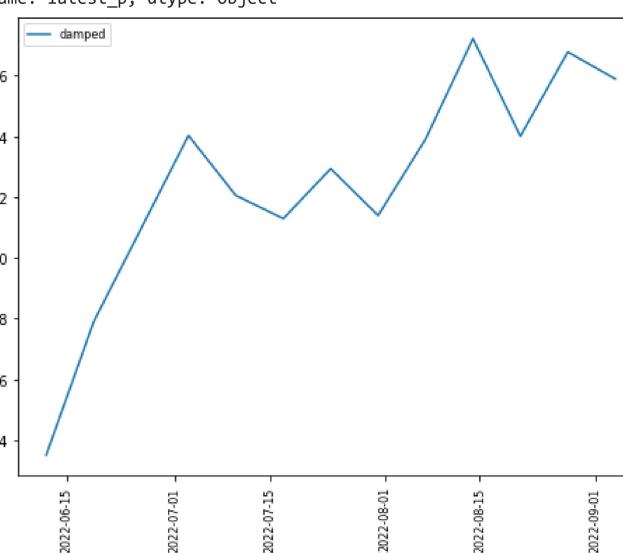
	volume_factor	latest_p	vol_30d_2yr	pct_2yr	adf	hurst
--	---------------	----------	-------------	---------	-----	-------

```

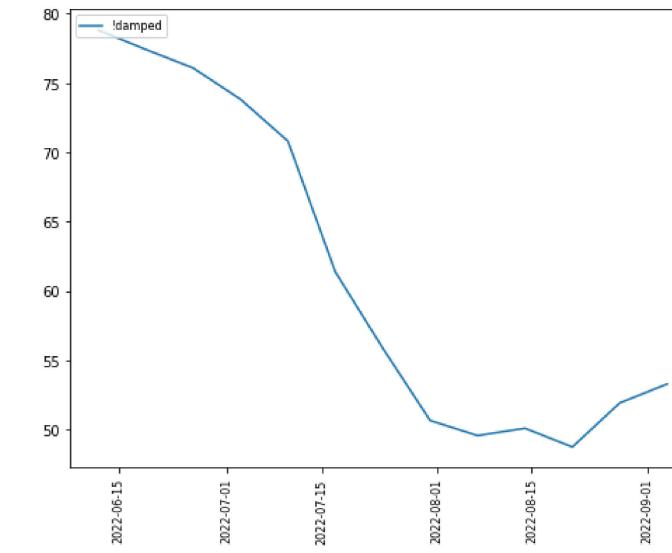
DVN      1.304951 74.059998 181231964.523449 0.925492 0.994381 0.555599

```

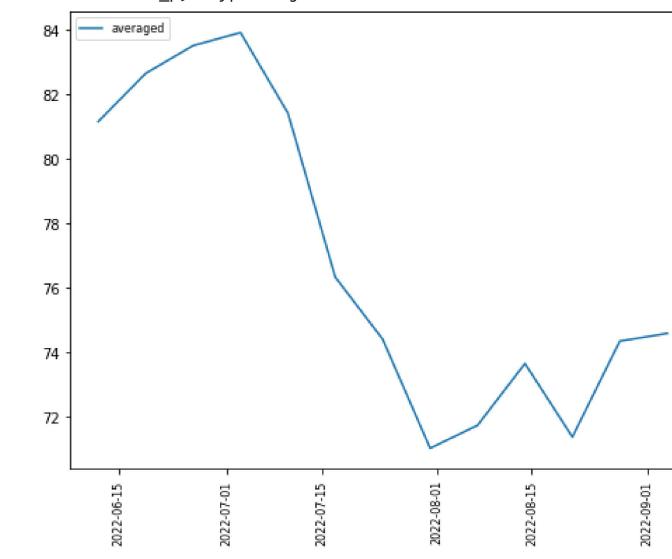
ets next 13 weeks
sell date: 2022-08-14
expected return: DVN 0.312659
Name: latest_p, dtype: object



sell date: 2022-08-14
expected return: DVN 0.064237
Name: latest_p, dtype: object



sell date: 2022-07-03
expected return: DVN 0.133246
Name: latest_p, dtype: object



25					
		2021-12-31	2021-09-30	2021-06-30	\
['quarterly_balance_sheet',					
Capital Surplus	7.636000e+09	8.206000e+09	8.189000e+09		
Total Liab	1.162600e+10	1.199600e+10	1.153000e+10		
Total Stockholder Equity	9.262000e+09	8.924000e+09	8.399000e+09		
Minority Interest	1.370000e+08	1.370000e+08	1.360000e+08		
Other Current Liab	2.545000e+09	2.940000e+09	2.554000e+09		
Total Assets	2.102500e+10	2.105700e+10	2.006500e+10		
Common Stock	6.600000e+07	6.800000e+07	6.800000e+07		
Other Current Assets	5.240000e+08	4.860000e+08	5.030000e+08		
Retained Earnings	1.692000e+09	7.500000e+08	2.430000e+08		
Other Liab	1.805000e+09	1.743000e+09	1.698000e+09		
Good Will	7.530000e+08	7.530000e+08	7.530000e+08		
Treasury Stock	-1.320000e+08	-1.000000e+08	-1.010000e+08		
Other Assets	3.780000e+08	3.670000e+08	3.970000e+08		
Cash	2.099000e+09	2.144000e+09	1.348000e+09		
Total Current Liabilities	3.087000e+09	3.505000e+09	3.072000e+09		
Deferred Long Term Asset Charges	7.000000e+06	NaN	NaN		
Other Stockholder Equity	-1.320000e+08	-1.000000e+08	-1.010000e+08		
Property Plant Equipment	1.524300e+10	1.532200e+10	1.544100e+10		
Total Current Assets	4.249000e+09	4.227000e+09	3.076000e+09		
Long Term Investments	4.020000e+08	3.880000e+08	3.980000e+08		
Net Tangible Assets	8.509000e+09	8.171000e+09	7.646000e+09		
Net Receivables	1.626000e+09	1.597000e+09	1.225000e+09		
Long Term Debt	6.482000e+09	6.492000e+09	6.502000e+09		
Accounts Payable	5.000000e+08	5.370000e+08	4.870000e+08		
Short Long Term Debt	NaN	NaN	NaN		
	2021-03-31				
Capital Surplus	8.172000e+09				
Total Liab	1.197100e+10				
Total Stockholder Equity	8.353000e+09				
Minority Interest	1.330000e+08				
Other Current Liab	2.124000e+09				
Total Assets	2.045700e+10				
Common Stock	6.700000e+07				
Other Current Assets	5.290000e+08				
Retained Earnings	2.180000e+08				
Other Liab	1.724000e+09				
Good Will	7.530000e+08				
Treasury Stock	-1.040000e+08				
Other Assets	3.060000e+08				
Cash	1.683000e+09				
Total Current Liabilities	2.945000e+09				
Deferred Long Term Asset Charges	NaN				
Other Stockholder Equity	-1.040000e+08				
Property Plant Equipment	1.552900e+10				
Total Current Assets	3.467000e+09				
Long Term Investments	4.020000e+08				
Net Tangible Assets	7.600000e+09				
Net Receivables	1.255000e+09				
Long Term Debt	7.042000e+09				
Accounts Payable	5.640000e+08				
Short Long Term Debt	2.260000e+08]			
17					
		2021-12-31	2021-09-30	\	
['quarterly_cashflow',					
Investments	-1.700000e+07	9.000000e+06			
Change To Liabilities	-1.800000e+07	4.690000e+08			
Total Cashflows From Investing Activities	-5.180000e+08	-4.740000e+08			
Total Cash From Financing Activities	-1.149000e+09	-3.370000e+08			
Change To Operating Activities	-2.200000e+07	-2.900000e+07			
Net Income	1.500000e+09	8.380000e+08			
Change In Cash	-5.000000e+07	7.820000e+08			
Repurchase Of Stock	-5.890000e+08	-3.000000e+06			
Effect Of Exchange Rate	1.000000e+06	-5.000000e+06			
Total Cash From Operating Activities	1.616000e+09	1.598000e+09			
Depreciation	5.850000e+08	5.790000e+08			
Dividends Paid	-7.300000e+07	-7.400000e+07			
Change To Account Receivables	-3.100000e+07	-3.320000e+08			
Other Cashflows From Financing Activities	-6.000000e+06	-5.000000e+06			
Change To Netincome	-4.010000e+08	1.130000e+08			
Capital Expenditures	-5.150000e+08	-4.840000e+08			
Net Borrowings	NaN	NaN			
	2021-06-30	2021-03-31			
Investments	8.000000e+06	1000000.0			
Change To Liabilities	7.200000e+07	1600000.0			
Total Cashflows From Investing Activities	-4.520000e+08	-13000000.0			
Total Cash From Financing Activities	-9.820000e+08	-82400000.0			
Change To Operating Activities	-7.600000e+07	-9500000.0			
Net Income	2.560000e+08	21300000.0			
Change In Cash	-3.390000e+08	-35900000.0			
Repurchase Of Stock	-9.000000e+06	-3300000.0			
Effect Of Exchange Rate	2.000000e+06	3000000.0			
Total Cash From Operating Activities	1.093000e+09	59200000.0			
Depreciation	5.360000e+08	48100000.0			
Dividends Paid	-7.500000e+07	-12800000.0			
Change To Account Receivables	-1.000000e+08	-6300000.0			
Other Cashflows From Financing Activities	-2.000000e+06	-2800000.0			
Change To Netincome	2.840000e+08	2500000.0			
Capital Expenditures	-5.090000e+08	-49900000.0			
Net Borrowings	-7.420000e+08	-56000000.0]		

```

4 ['quarterly_earnings',           Revenue   Earnings
Quarter
1Q2021  2461000000  213000000
2Q2021  2977000000  256000000
3Q2021  3625000000  838000000
4Q2021  4054000000  1506000000]
22

```

```

['quarterly_financials',          2021-12-31  2021-09-30 \
Research Development             None      None
Effect Of Accounting Charges    None      None
Income Before Tax                1662000000.0  964000000.0
Minority Interest                 137000000.0   137000000.0
Net Income                         1506000000.0  838000000.0
Selling General Administrative    95000000.0   95000000.0
Gross Profit                      2380000000.0  2080000000.0
Ebit                             1727000000.0  1068000000.0
Operating Income                  1727000000.0  1068000000.0
Other Operating Expenses          -24000000.0   344000000.0
Interest Expense                  -92000000.0   -93000000.0
Extraordinary Items               None      None
Non Recurring                     None      None
Other Items                        None      None
Income Tax Expense                 150000000.0   120000000.0
Total Revenue                      4054000000.0  3625000000.0
Total Operating Expenses          2327000000.0  2557000000.0
Cost Of Revenue                   1674000000.0  1537000000.0
Total Other Income Expense Net   -65000000.0   -104000000.0
Discontinued Operations           None      None
Net Income From Continuing Ops   1512000000.0   844000000.0
Net Income Applicable To Common Shares 1487000000.0  832000000.0

```

```

2021-06-30  2021-03-31
Research Development             None      None
Effect Of Accounting Charges    None      None
Income Before Tax                304000000.0  -32000000.0
Minority Interest                 136000000.0   133000000.0
Net Income                         256000000.0   213000000.0
Selling General Administrative    94000000.0   107000000.0
Gross Profit                      1655000000.0  1291000000.0
Ebit                             320000000.0   202000000.0
Operating Income                  320000000.0   202000000.0
Other Operating Expenses          702000000.0   512000000.0
Interest Expense                  -98000000.0   -105000000.0
Extraordinary Items               None      None
Non Recurring                     None      None
Other Items                        None      None
Income Tax Expense                 43000000.0   -248000000.0
Total Revenue                      2977000000.0  2461000000.0
Total Operating Expenses          2657000000.0  2259000000.0
Cost Of Revenue                   1322000000.0  1170000000.0
Total Other Income Expense Net   -16000000.0   -234000000.0
Discontinued Operations           None      None
Net Income From Continuing Ops   261000000.0   216000000.0
Net Income Applicable To Common Shares 253000000.0  211000000.0 ]

```

```

10 ['mutualfund_holders',          Holder     Shares Date Reported \
0      Vanguard Total Stock Market Index Fund 19232335  2021-12-30
1      Select Sector SPDR Fund-Energy Select 18515332  2022-01-30
2      Vanguard Mid-Cap Index Fund 15295295  2021-12-30
3      Vanguard 500 Index Fund 13333264  2021-12-30
4      Undiscovered Managers Behavioral Value Fund 7254904  2021-12-30
5      SPDR S&P 500 ETF Trust 6678214  2022-01-30
6      Fidelity 500 Index Fund 6447707  2022-02-27
7      iShares Core S&P 500 ETF 5236340  2022-01-30
8      Vanguard Index-Value Index Fund 5169015  2021-12-30
9      Victory Portfolios-Sycamore Established Value ... 5050000  2022-01-30

```

```

% Out      Value
0 0.0291  847184356
1 0.0281  936320339
2 0.0232  673757744
3 0.0202  587338279
4 0.0110  319578521
5 0.0101  337717281
6 0.0098  383960951
7 0.0079  264801713
8 0.0078  227695110
9 0.0077  255378500 ]
3

```

```

['options', ('2022-07-15', '2023-01-20', '2024-01-19')]
27
['sustainability',               Value
2022-5
palmOil                    False
controversialWeapons        False
gambling                    False
socialScore                 8.78
nuclear                     False
furLeather                  False
alcoholic                   False
gmo                         False

```

```

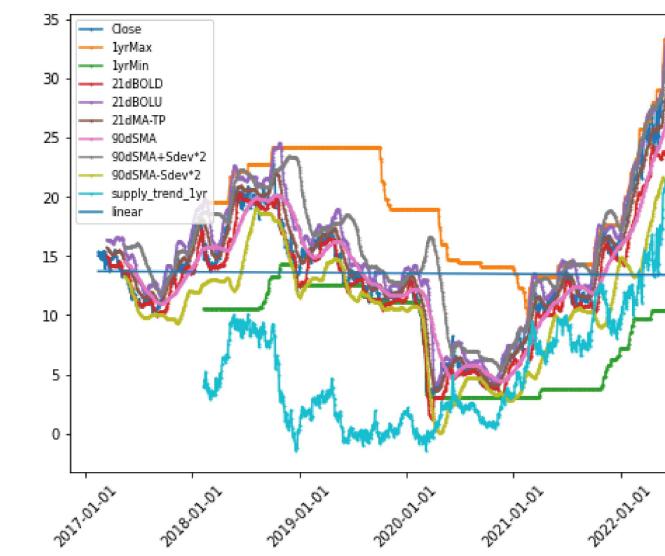
catholic          False
socialPercentile 0
peerCount         66
governanceScore  7.86
environmentPercentile 0
animalTesting     False
tobacco           False
totalEsg          34.39
highestControversy 2
esgPerformance   LEAD_PERF
coal              False
pesticides        False
adult             False
percentile        76.03
peerGroup         Oil & Gas Producers
smallArms          False
environmentScore  17.75
governancePercentile 0
militaryContract  False]
MRO

```

```

Index: SP500
Sector: Energy
supply trend: 385905130.6354009
risk trend factor: 3.229066300641798

```



```

beta currentRatio debtToEquity dividendRate dividendYield \
MRO 2.766666    1.112      38.48      0.32      0.0119

ebitda ebitdaMargins forwardPE freeCashflow grossMargins \
MRO 3308999936    0.58921    15.454082    1785500032    0.77546

grossProfits heldPercentInstitutions industry marketCap \
MRO 4355000000    0.802      Oil & Gas E&P 23581886464

operatingCashflow operatingMargins payoutRatio pegRatio priceToBook \
MRO 3239000064    0.20495    0.0769      0.59      2.213696

priceToSalesTrailing12Months profitMargins quickRatio returnOnAssets \
MRO 4.199054      0.16845    1.052       0.04117

returnOnEquity revenueGrowth revenuePerShare sector sharesOutstanding \
MRO 0.08905      1.091      7.136      Energy    778537024

shortRatio totalCash totalCashPerShare totalDebt totalRevenue
MRO 0.93 58000000 0.794 4112000000 5616000000
2022-06-10

```

21dBOLD 21dMA-TP 21dBOLU

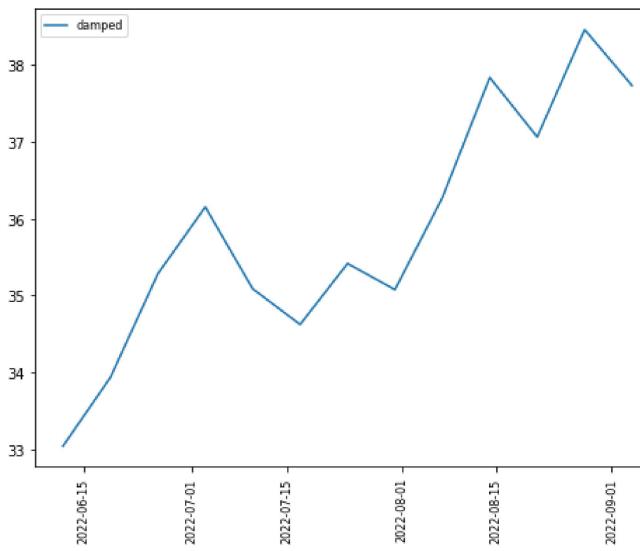
```
2022-06-10 25.156063 29.418428 33.680793
```

	volume_factor	latest_p	vol_30d_2yr	pct_2yr	adf	hurst
MRO	1.127529	30.290001	385905130.635401	0.900034	0.972772	0.54597

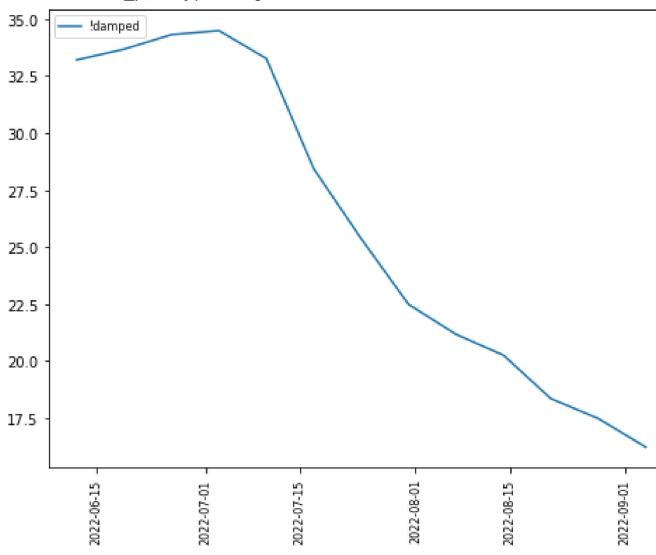
```

ets next 13 weeks
sell date: 2022-08-28
expected return: MRO 0.269639
Name: latest_p, dtype: object

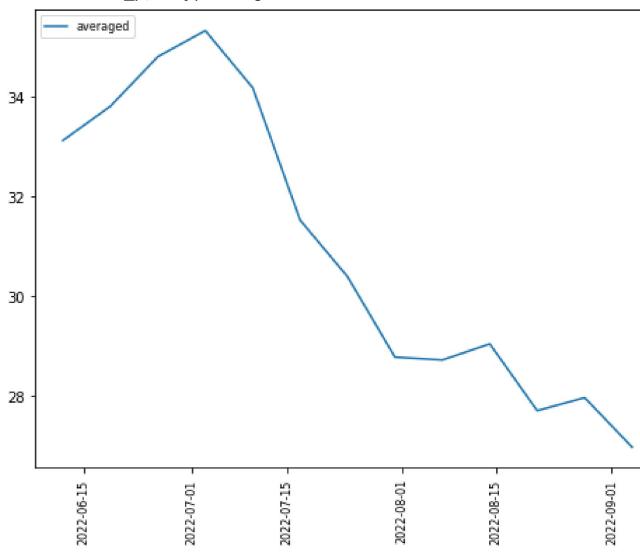
```



sell date: 2022-08-28
expected return: MRO 0.138626
Name: latest_p, dtype: object



sell date: 2022-07-03
expected return: MRO 0.166076
Name: latest_p, dtype: object



23					
	['quarterly_balance_sheet',		2021-12-31	2021-09-30	2021-06-30 \
	Capital Surplus	7.221000e+09	7.213000e+09	7.201000e+09	
	Total Liab	6.308000e+09	6.365000e+09	7.166000e+09	
	Total Stockholder Equity	1.068600e+10	1.079600e+10	1.063400e+10	
	Other Current Liab	3.680000e+08	4.960000e+08	5.020000e+08	
	Total Assets	1.699400e+10	1.716100e+10	1.780000e+10	
	Common Stock	9.370000e+08	9.370000e+08	9.370000e+08	
	Other Current Assets	2.200000e+07	2.500000e+07	1.900000e+07	
	Retained Earnings	7.271000e+09	6.669000e+09	6.524000e+09	
	Other Liab	6.440000e+08	6.420000e+08	6.650000e+08	
	Treasury Stock	-4.743000e+09	-4.023000e+09	-4.028000e+09	
	Other Assets	1.100000e+08	1.040000e+08	9.300000e+07	
	Cash	5.800000e+08	4.850000e+08	9.700000e+08	
	Total Current Liabilities	1.637000e+09	1.676000e+09	1.575000e+09	
	Short Long Term Debt	3.900000e+07	3.900000e+07	3.500000e+07	
	Other Stockholder Equity	8.200000e+07	8.200000e+07	7.700000e+07	
	Property Plant Equipment	1.458600e+10	1.484300e+10	1.511100e+10	
	Total Current Assets	1.821000e+09	1.655000e+09	2.075000e+09	
	Long Term Investments	4.770000e+08	5.590000e+08	5.210000e+08	
	Net Tangible Assets	1.068600e+10	1.079600e+10	1.063400e+10	
	Net Receivables	1.142000e+09	1.068000e+09	1.008000e+09	
	Long Term Debt	3.980000e+09	3.983000e+09	4.882000e+09	
	Inventory	7.700000e+07	7.700000e+07	7.800000e+07	
	Accounts Payable	1.110000e+09	1.028000e+09	9.370000e+08	
		2021-03-31			
	Capital Surplus	7.195000e+09			
	Total Liab	7.562000e+09			
	Total Stockholder Equity	1.067100e+10			
	Other Current Liab	3.810000e+08			
	Total Assets	1.823300e+10			
	Common Stock	9.370000e+08			
	Other Current Assets	2.600000e+07			
	Retained Earnings	6.540000e+09			
	Other Liab	6.950000e+08			
	Treasury Stock	-4.001000e+09			
	Other Assets	9.600000e+07			
	Cash	1.125000e+09			
	Total Current Liabilities	1.899000e+09			
	Short Long Term Debt	5.010000e+08			
	Other Stockholder Equity	1.120000e+08			
	Property Plant Equipment	1.542500e+10			
	Total Current Assets	2.150000e+09			
	Long Term Investments	5.620000e+08			
	Net Tangible Assets	1.067100e+10			
	Net Receivables	9.210000e+08			
	Long Term Debt	4.910000e+09			
	Inventory	7.800000e+07			
	Accounts Payable	9.180000e+08]
18					
	['quarterly_cashflow',		2021-12-31	2021-09-30	\
	Investments	4.600000e+07	9.000000e+06		
	Change To Liabilities	1.410000e+08	1.070000e+08		
	Total Cashflows From Investing Activities	-2.820000e+08	-2.650000e+08		
	Total Cash From Financing Activities	-7.690000e+08	-1.036000e+09		
	Change To Operating Activities	-2.000000e+07	-7.000000e+06		
	Net Income	6.490000e+08	1.840000e+08		
	Change In Cash	9.500000e+07	-4.850000e+08		
	Repurchase Of Stock	-7.240000e+08	-1.000000e+06		
	Total Cash From Operating Activities	1.146000e+09	8.160000e+08		
	Depreciation	4.630000e+08	5.830000e+08		
	Dividends Paid	-4.700000e+07	-3.900000e+07		
	Change To Account Receivables	-7.600000e+07	-6.000000e+07		
	Other Cashflows From Financing Activities	2.000000e+06	-9.600000e+07		
	Change To Netincome	-1.100000e+07	8.000000e+06		
	Capital Expenditures	-2.740000e+08	-2.890000e+08		
	Net Borrowings	NaN	-9.000000e+08		
	Other Cashflows From Investing Activities	NaN	1.000000e+06		
	Change To Inventory	NaN	1.000000e+06		
		2021-06-30	2021-03-31		
	Investments	6000000.0	6000000.0		
	Change To Liabilities	2000000.0	10100000.0		
	Total Cashflows From Investing Activities	-256000000.0	-207000000.0		
	Total Cash From Financing Activities	-554000000.0	-32000000.0		
	Change To Operating Activities	12000000.0	6100000.0		
	Net Income	16000000.0	9700000.0		
	Change In Cash	-155000000.0	383000000.0		
	Repurchase Of Stock	-1000000.0	-9000000.0		
	Total Cash From Operating Activities	655000000.0	622000000.0		
	Depreciation	600000000.0	512000000.0		
	Dividends Paid	-32000000.0	-23000000.0		
	Change To Account Receivables	-78000000.0	-175000000.0		
	Other Cashflows From Financing Activities	-22000000.0	-22000000.0		
	Change To Netincome	85000000.0	28000000.0		
	Capital Expenditures	-274000000.0	-209000000.0		
	Net Borrowings	-500000000.0	-500000000.0		
	Other Cashflows From Investing Activities	1000000.0	-1000000.0		
	Change To Inventory	1000000.0	-2000000.0]	
4					
	['quarterly_earnings',	Revenue	Earnings		

Quarter
1Q2021 1180000000 97000000
2Q2021 1259000000 16000000
3Q2021 1439000000 184000000
4Q2021 1738000000 649000000]

22

['quarterly_financials' ,
Research Development None None
Effect Of Accounting Charges None None
Income Before Tax 683000000.0 188000000.0
Minority Interest None None
Net Income 649000000.0 184000000.0
Selling General Administrative 61000000.0 70000000.0
Gross Profit 1393000000.0 1089000000.0
Ebit 755000000.0 254000000.0
Operating Income 755000000.0 254000000.0
Other Operating Expenses 94000000.0 167000000.0
Interest Expense -74000000.0 -57000000.0
Extraordinary Items None None
Non Recurring None None
Other Items None None
Income Tax Expense 34000000.0 4000000.0
Total Revenue 1738000000.0 1439000000.0
Total Operating Expenses 983000000.0 1185000000.0
Cost Of Revenue 345000000.0 350000000.0
Total Other Income Expense Net -72000000.0 -66000000.0
Discontinued Operations None None
Net Income From Continuing Ops 649000000.0 184000000.0
Net Income Applicable To Common Shares 649000000.0 184000000.0

2021-06-30 2021-03-31

Research Development None None
Effect Of Accounting Charges None None
Income Before Tax 26000000.0 107000000.0
Minority Interest None None
Net Income 16000000.0 97000000.0
Selling General Administrative 69000000.0 75000000.0
Gross Profit 966000000.0 907000000.0
Ebit 54000000.0 87000000.0
Operating Income 54000000.0 87000000.0
Other Operating Expenses 240000000.0 227000000.0
Interest Expense -59000000.0 -13000000.0
Extraordinary Items None None
Non Recurring None None
Other Items None None
Income Tax Expense 10000000.0 10000000.0
Total Revenue 1259000000.0 1180000000.0
Total Operating Expenses 1205000000.0 1093000000.0
Cost Of Revenue 293000000.0 273000000.0
Total Other Income Expense Net -28000000.0 20000000.0
Discontinued Operations None None
Net Income From Continuing Ops 16000000.0 97000000.0
Net Income Applicable To Common Shares 16000000.0 97000000.0]

10

['mutualfund_holders' ,
Holder Shares Date Reported % Out \n
0 Vanguard/Windsor II 26018487 2022-01-30 0.0368
1 Select Sector SPDR Fund-Energy Select 22895120 2022-01-30 0.0324
2 Vanguard Total Stock Market Index Fund 22131478 2021-12-30 0.0313
3 Vanguard Small-Cap Index Fund 19611815 2021-12-30 0.0277
4 Vanguard 500 Index Fund 16486851 2021-12-30 0.0233
5 Vanguard Small Cap Value Index Fund 12430773 2021-12-30 0.0176
6 Fidelity Low-Priced Stock Fund 12282677 2022-02-27 0.0174
7 SPDR S&P 500 ETF Trust 8364080 2022-01-30 0.0118
8 Fidelity 500 Index Fund 7972838 2022-02-27 0.0113
9 Invesco Comstock Fd 7808667 2022-01-30 0.0110

Value

0 506579941
1 445767986
2 363398868
3 322026002
4 270714093
5 204113292
6 277097193
7 162848637
8 179867225
9 152034746]

4

['options' , ('2022-07-15' , '2022-09-16' , '2023-01-20' , '2024-01-19')]

27

['sustainability' , Value

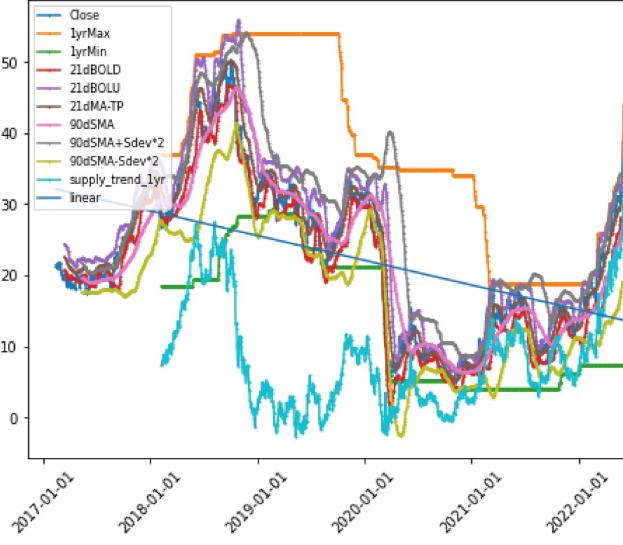
2022-5

palmOil False
controversialWeapons False
gambling False
socialScore 10.01
nuclear False
furLeather False
alcoholic False
gmo False
catholic False
socialPercentile 0

```

peerCount          66
governanceScore   8.13
environmentPercentile 0
animalTesting      False
tobacco            False
totalEsg           42.05
highestControversy 2
esgPerformance    None
coal               False
pesticides         False
adult              False
percentile         90.8
peerGroup          Oil & Gas Producers
smallArms          False
environmentScore   23.91
governancePercentile 0
militaryContract   False]
PBF
Index: SP600
Sector: Energy
supply trend: 65359710.136157334
risk trend factor: 3.225693266030666

```



```

beta currentRatio debtToEquity ebitda ebitdaMargins forwardPE \
PBF 2.259981 1.254 197.914 690400000 0.02194 14.665455

```

```

freeCashflow grossMargins grossProfits heldPercentInstitutions \
PBF 284750016 0.0362 671100000 0.80126

```

```

industry marketCap operatingCashflow \
PBF Oil & Gas Refining & Marketing 4872993280 803299968

```

```

operatingMargins payoutRatio pegRatio priceToBook \
PBF 0.0135 0 -0.19 2.545604

```

```

priceToSalesTrailing12Months profitMargins quickRatio returnOnAssets \
PBF 0.154844 0.00798 0.629 0.02192

```

```

returnOnEquity revenueGrowth revenuePerShare sector sharesOutstanding \
PBF 0.14223 0.856 261.505 Energy 120828000

```

```

shortRatio totalCash totalCashPerShare totalDebt totalRevenue \
PBF 2.81 1434599936 11.873 4999499776 31470299136

```

```

trailingPE
PBF 19.549202
2022-06-10

```

21dBOLD 21dMA-TP 21dBOLU

```

2022-06-10 24.95881 34.143016 43.327222

```

volume_factor	latest_p	vol_30d_2yr	pct_2yr	adf	hurst
---------------	----------	-------------	---------	-----	-------

```

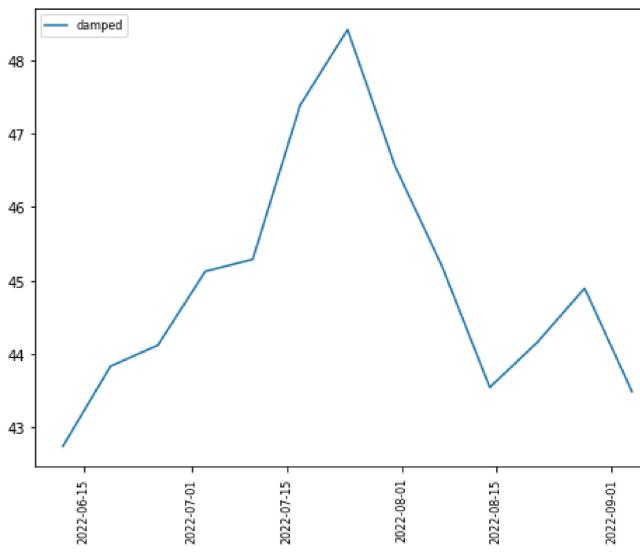
PBF 1.018074 40.330002 65359710.136157 0.905392 0.730477 0.555776

```

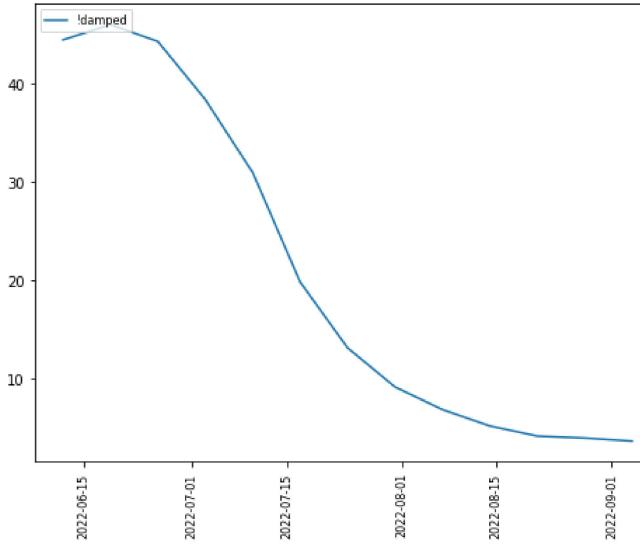
```

ets next 13 weeks
sell date: 2022-07-24
expected return: PBF 0.200573
Name: latest_p, dtype: object

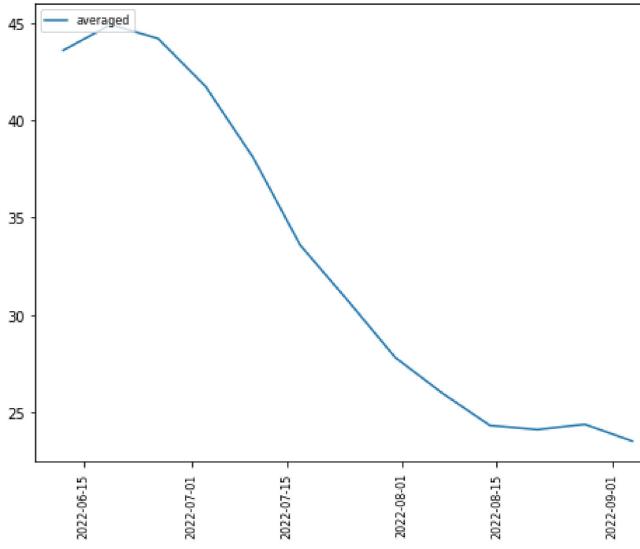
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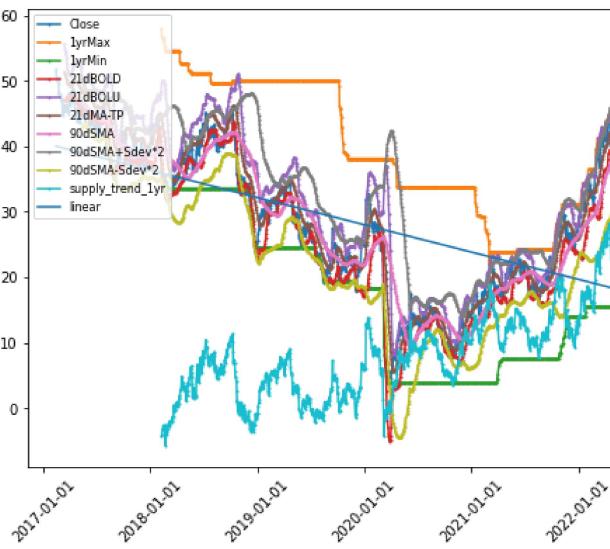
sell date: 2022-07-24
expected return: PBF 0.139737
Name: latest_p, dtype: object



sell date: 2022-06-19
expected return: PBF 0.11327
Name: latest_p, dtype: object



```
5
['options', ('2022-06-17', '2022-07-15', '2022-12-16', '2023-01-20', '2024-01-19')]
APA
Index: SP500
Sector: Energy
supply trend: 154170566.9440242
risk trend factor: 3.199620940107091
```



```
beta currentRatio debtToEquity dividendRate dividendYield \
APA 4.125226 1.227 704.108 0.5 0.0098
```

```
earningsGrowth ebitda ebitdaMargins forwardPE freeCashflow \
APA 4.324 4982000128 0.56569 5.04757 2424875008
```

```
grossMargins grossProfits heldPercentInstitutions industry \
APA 0.67015 5080000000 0.87511 Oil & Gas E&P
```

```
marketCap operatingCashflow operatingMargins payoutRatio pegRatio \
APA 16509104128 3716000000 0.40218 0.0339 0.19
```

```
priceToSalesTrailing12Months profitMargins quickRatio returnOnAssets \
APA 1.874543 0.28023 0.882 0.17293
```

```
returnOnEquity revenueGrowth revenuePerShare sector sharesOutstanding \
APA 4.69732 0.405 24.063 Energy 338232000
```

```
shortRatio totalCash totalCashPerShare totalDebt totalRevenue \
APA 1 234000000 0.692 5999000064 8807000064
```

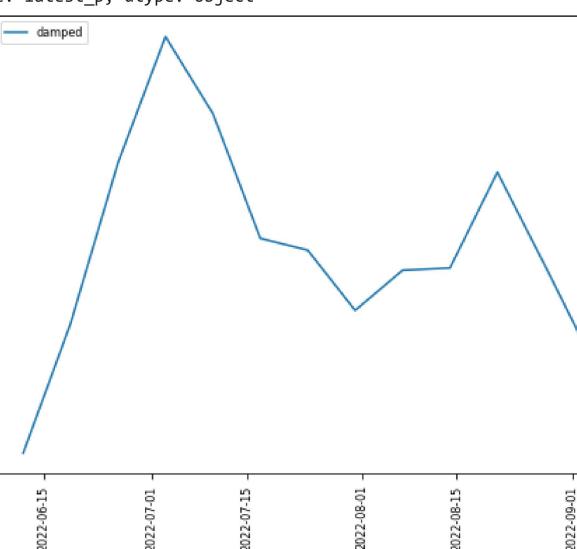
```
trailingPE
APA 7.255835
2022-06-10
```

21dBOLD 21dMA-TP 21dBOLU

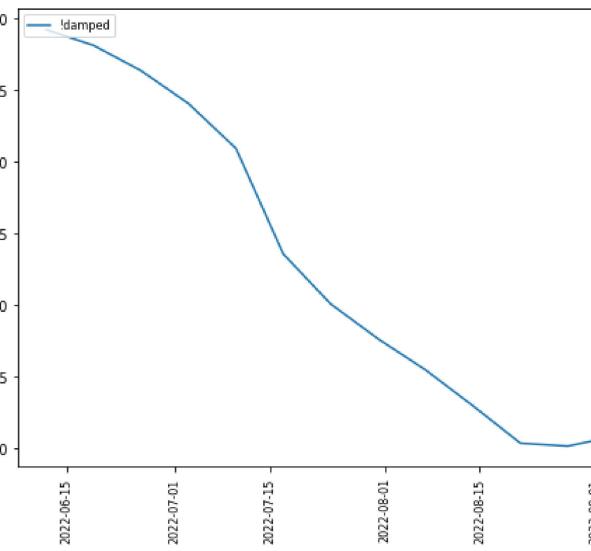
```
2022-06-10 37.987556 45.39127 52.794983
```

	volume_factor	latest_p	vol_30d_2yr	pct_2yr	adf	hurst
APA	1.279846	48.810001	154170566.944024	0.929438	0.443494	0.44772

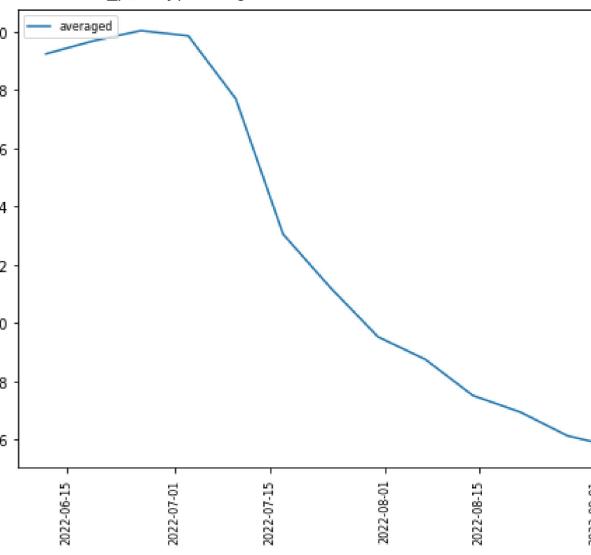
ets next 13 weeks
sell date: 2022-07-03
expected return: APA 0.14034
Name: latest_p, dtype: object



```
sell date: 2022-07-03
expected return: APA 0.008804
Name: latest_p, dtype: object
```



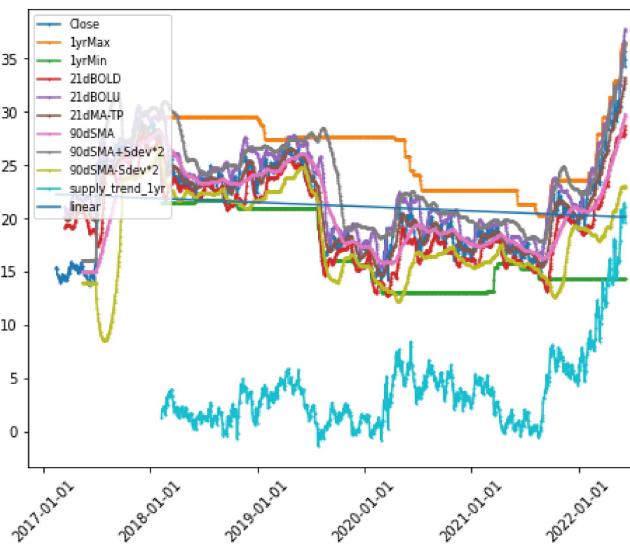
sell date: 2022-06-26
 expected return: APA 0.02526
 Name: latest_p, dtype: object



```

3 ['options', ('2022-07-15', '2023-01-20', '2024-01-19')]
27 ['sustainability',                               Value
2021-3
palmOil                         False
controversialWeapons            False
gambling                        False
socialScore                      8.88
nuclear                          False
furLeather                       False
alcoholic                         False
gmo                             False
catholic                         False
socialPercentile                None
peerCount                        71
governanceScore                 7.96
environmentPercentile           None
animalTesting                    False
tobacco                          False
totalEsg                         38.81
highestControversy               2
esgPerformance                  OUT_PERF
coal                            False
pesticides                       False
adult                           False
percentile                       82.83
peerGroup                        Oil & Gas Producers
smallArms                        False
environmentScore                 21.98
governancePercentile             None
militaryContract                 False]
CTRA
Index: SP500
Sector: Energy
supply trend: 150668871.709531
risk trend factor: 3.1929469250530653

```



beta currentRatio debtToEquity dividendRate dividendYield \\\nCTRA -0.189215 1.751 29.377 0.6 0.0201

earningsGrowth ebitda ebitdaMargins forwardPE freeCashflow \\\nCTRA 2.487 2364999936 0.64441 9.610645 1148249984

grossMargins grossProfits heldPercentInstitutions industry \\\nCTRA 0.77684 2851000000 0.94558 Oil & Gas E&P

marketCap operatingCashflow operatingMargins payoutRatio pegRatio \\\nCTRA 27913861120 1667000064 0.45559 0.182 0.09

priceToBook priceToSalesTrailing12Months profitMargins quickRatio \\\nCTRA 5.895189 7.605957 0.31553 1.699

returnOnAssets returnOnEquity revenueGrowth revenuePerShare sector \\\nCTRA 0.08557 0.16538 4.191 7.296 Energy

sharesOutstanding shortRatio totalCash totalCashPerShare totalDebt \\\nCTRA 813577984 3.2 1036000000 1.273 3463000064

totalRevenue trailingPE\\\nCTRA 3670000128 39.032993

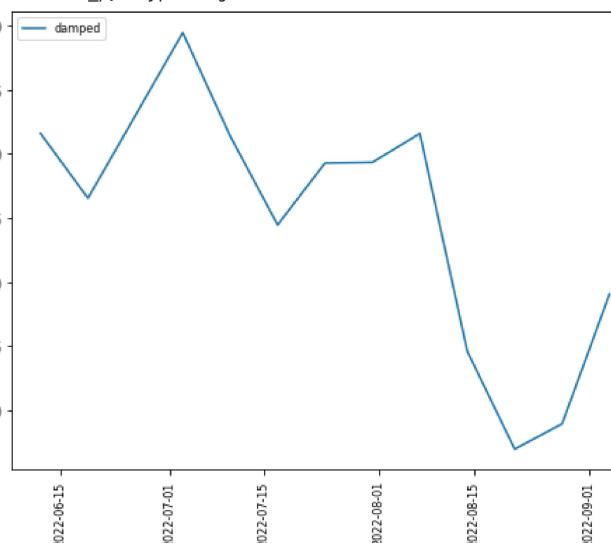
2022-06-10

21dBOLD 21dMA-TP 21dBOLU

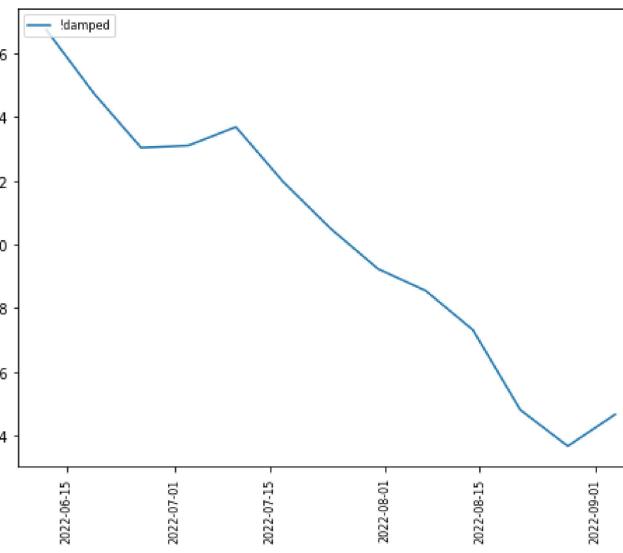
2022-06-10 28.660914 33.218095 37.775277

volume_factor	latest_p	vol_30d_2yr	pct_2yr	adf	hurst	
CTRA	1.337181	34.310001	150668871.709531	0.899416	0.507048	0.467954

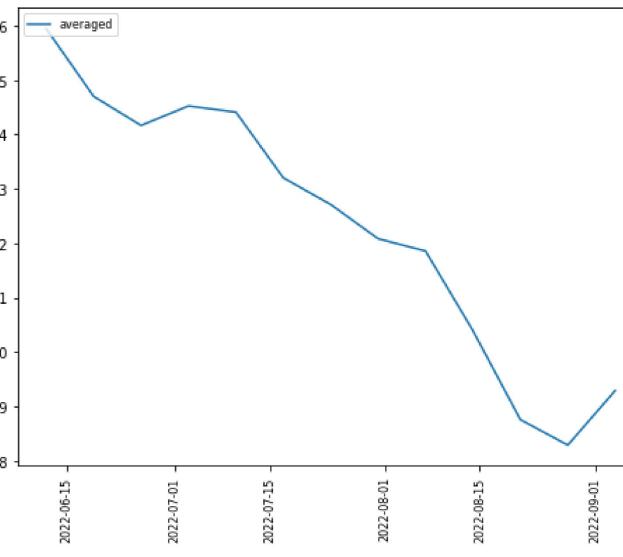
ets next 13 weeks
sell date: 2022-07-03
expected return: CTRA 0.047629
Name: latest_p, dtype: object



sell date: 2022-07-03
expected return: CTRA 0.070635
Name: latest_p, dtype: object



sell date: 2022-06-12
expected return: CTRA 0.047673
Name: latest_p, dtype: object



23					
	'quarterly_balance_sheet',		2021-12-31	2021-09-30	2021-06-30 \
	Capital Surplus	1.091100e+10	1.823373e+09	1.815770e+09	
	Total Liab	8.112000e+09	2.404585e+09	2.310672e+09	
	Total Stockholder Equity	1.173800e+10	2.326112e+09	2.299895e+09	
	Deferred Long Term Liab	5.000000e+06	5.329000e+06	5.844000e+06	
	Other Current Liab	1.880000e+08	2.128940e+08	7.719900e+07	
	Total Assets	1.990000e+10	4.730697e+09	4.610567e+09	
	Common Stock	8.900000e+07	4.786200e+07	4.786200e+07	
	Other Current Assets	2.400000e+07	1.323500e+07	1.540000e+07	
	Retained Earnings	2.563000e+09	2.276071e+09	2.257320e+09	
	Other Liab	3.512000e+09	9.650310e+08	9.577370e+08	
	Treasury Stock	-1.825000e+09	-1.821194e+09	-1.821057e+09	
	Other Assets	7.200000e+07	3.109900e+07	3.170800e+07	
	Cash	1.036000e+09	7.627000e+07	1.581470e+08	
	Total Current Liabilities	1.220000e+09	4.660100e+08	3.786840e+08	
	Other Stockholder Equity	1.000000e+06	2.007000e+06	2.144000e+06	
	Property Plant Equipment	1.769200e+10	4.256875e+09	4.182793e+09	
	Total Current Assets	2.136000e+09	4.427230e+08	3.960660e+08	
	Net Tangible Assets	1.173800e+10	2.326112e+09	2.299895e+09	
	Net Receivables	1.037000e+09	3.404370e+08	2.051240e+08	
	Long Term Debt	3.125000e+09	9.465090e+08	9.463160e+08	
	Inventory	3.900000e+07	1.278100e+07	1.739500e+07	
	Accounts Payable	7.470000e+08	2.271920e+08	1.662560e+08	
	Short Long Term Debt	Nan	Nan	1.000000e+08	
		2021-03-31			
	Capital Surplus	1.808232e+09			
	Total Liab	2.244882e+09			
	Total Stockholder Equity	2.305970e+09			
	Deferred Long Term Liab	6.360000e+06			
	Other Current Liab	1.989500e+07			
	Total Assets	4.550852e+09			
	Common Stock	4.783800e+07			
	Other Current Assets	2.198400e+07			
	Retained Earnings	2.270819e+09			
	Other Liab	9.549700e+08			
	Treasury Stock	-1.820919e+09			
	Other Assets	3.078400e+07			
	Cash	1.736590e+08			
	Total Current Liabilities	3.150920e+08			
	Other Stockholder Equity	2.282000e+06			
	Property Plant Equipment	4.108153e+09			
	Total Current Assets	4.119150e+08			
	Net Tangible Assets	2.305970e+09			
	Net Receivables	2.004020e+08			
	Long Term Debt	9.461230e+08			
	Inventory	1.587000e+07			
	Accounts Payable	1.691010e+08			
	Short Long Term Debt	1.000000e+08]
16					
	'quarterly_cashflow',		2021-12-31	2021-09-30	\
	Change To Liabilities	-17390000.0	76262000.0		
	Total Cashflows From Investing Activities	771721000.0	-183894000.0		
	Net Borrowings	-2000000.0	-10000000.0		
	Total Cash From Financing Activities	-764618000.0	-143963000.0		
	Change To Operating Activities	17176000.0	-9218000.0		
	Net Income	938468000.0	62714000.0		
	Change In Cash	959440000.0	-82663000.0		
	Repurchase Of Stock	-108431000.0	-108431000.0		
	Total Cash From Operating Activities	952337000.0	245194000.0		
	Depreciation	410014000.0	97289000.0		
	Dividends Paid	-652187000.0	-43963000.0		
	Change To Inventory	2511000.0	4614000.0		
	Change To Account Receivables	-159015000.0	-102009000.0		
	Other Cashflows From Financing Activities	-2000000.0	-2000000.0		
	Change To Netincome	-320852000.0	148138000.0		
	Capital Expenditures	-268960000.0	-184101000.0		
		2021-06-30	2021-03-31		
	Change To Liabilities	-15297000.0	3425000.0		
	Total Cashflows From Investing Activities	-151302000.0	-123525000.0		
	Net Borrowings	-10000000.0	-88000000.0		
	Total Cash From Financing Activities	-43963000.0	-133456000.0		
	Change To Operating Activities	4956000.0	-13914000.0		
	Net Income	30464000.0	126354000.0		
	Change In Cash	-16323000.0	33546000.0		
	Repurchase Of Stock	-108431000.0	-5569000.0		
	Total Cash From Operating Activities	178942000.0	290527000.0		
	Depreciation	91549000.0	94148000.0		
	Dividends Paid	-43963000.0	-39887000.0		
	Change To Inventory	-1525000.0	-600000.0		
	Change To Account Receivables	15143000.0	16881000.0		
	Other Cashflows From Financing Activities	-2000000.0	-2000000.0		
	Change To Netincome	92703000.0	40011000.0		
	Capital Expenditures	-151322000.0	-123617000.0]
4					
	'quarterly_earnings',	Revenue	Earnings		
	Quarter				
	1Q2021	472918000	126354000		
	2Q2021	411788000	30464000		
	3Q2021	641678000	62714000		

4Q2021 2143616000 938468000]

22

['quarterly_financials',
 Research Development None None
 Effect Of Accounting Charges None None
 Income Before Tax 1214465000.0 83216000.0
 Minority Interest None None
 Net Income 938468000.0 62714000.0
 Selling General Administrative 95410000.0 24998000.0
 Gross Profit 1797984000.0 47153000.0
 Ebit 1298389000.0 135756000.0
 Operating Income 1298389000.0 135756000.0
 Other Operating Expenses -14836000.0 209489000.0
 Interest Expense -24488000.0 -12577000.0
 Extraordinary Items None None
 Non Recurring None None
 Other Items None None
 Income Tax Expense 275997000.0 20502000.0
 Total Revenue 2143616000.0 641678000.0
 Total Operating Expenses 845227000.0 505922000.0
 Cost Of Revenue 345632000.0 170148000.0
 Total Other Income Expense Net -83924000.0 -52540000.0
 Discontinued Operations None None
 Net Income From Continuing Ops 938468000.0 62714000.0
 Net Income Applicable To Common Shares 935468000.0 62714000.0]

2021-06-30 2021-03-31

Research Development None None
 Effect Of Accounting Charges None None
 Income Before Tax 41304000.0 163015000.0
 Minority Interest None None
 Net Income 30464000.0 126354000.0
 Selling General Administrative 16837000.0 26755000.0
 Gross Profit 262146000.0 319340000.0
 Ebit 60088000.0 177767000.0
 Operating Income 60088000.0 177767000.0
 Other Operating Expenses 91384000.0 18043000.0
 Interest Expense -12558000.0 -12377000.0
 Extraordinary Items None None
 Non Recurring None None
 Other Items None None
 Income Tax Expense 10840000.0 36661000.0
 Total Revenue 411788000.0 472918000.0
 Total Operating Expenses 351700000.0 295151000.0
 Cost Of Revenue 149642000.0 153578000.0
 Total Other Income Expense Net -18784000.0 -14752000.0
 Discontinued Operations None None
 Net Income From Continuing Ops 30464000.0 126354000.0
 Net Income Applicable To Common Shares 30464000.0 126354000.0]

10

['mutualfund_holders', Holder Shares Date Reported \]

0 Select Sector SPDR Fund-Energy Select 23925372 2022-01-30
 1 Vanguard Total Stock Market Index Fund 23123140 2021-12-30
 2 Vanguard Small-Cap Index Fund 20493160 2021-12-30
 3 Vanguard 500 Index Fund 17229139 2021-12-30
 4 Washington Mutual Investors Fund 16985001 2022-01-30
 5 Vanguard Fenway Funds-Equity Income Fund 16267453 2021-12-30
 6 Income Fund of America Inc 13333912 2022-01-30
 7 Vanguard Small-Cap Growth Index Fund 12758989 2021-12-30
 8 Victory Portfolios-Sycamore Established Value ... 12049383 2022-01-30
 9 Fundamental Investors Inc 11357657 2021-12-30

% Out Value
 0 0.0297 523965646
 1 0.0287 439339660
 2 0.0254 389370040
 3 0.0214 327353641
 4 0.0211 371971521
 5 0.0202 309081607
 6 0.0165 292012672
 7 0.0158 242420791
 8 0.0150 263881487
 9 0.0141 215795483]

4

['options', ('2022-07-15', '2022-09-16', '2023-01-20', '2024-01-19')]

27

['sustainability', Value
 2022-5

palmOil False
 controversialWeapons False
 gambling False
 socialsScore 14.01
 nuclear False
 furLeather False
 alcoholic False
 gmo False
 catholic False
 socialPercentile 0
 peerCount 66
 governanceScore 9.28
 environmentPercentile 0
 animalTesting False

```

tobacco          False
totalEsg         46.68
highestControversy 2
esgPerformance  None
coal             False
pesticides       False
adult            False
percentile      95.93
peerGroup        Oil & Gas Producers
smallArms        False
environmentScore 23.39
governancePercentile 0
militaryContract False]
COP

```

Index: SP500
Sector: Energy
supply trend: 164910706.505295
risk trend factor: 3.1812515705509306



```

beta currentRatio debtToEquity dividendRate dividendYield \
COP 1.350272      1.513     38.088      1.92      0.0156

earningsGrowth      ebitda ebitdaMargins forwardPE freeCashflow \
COP      4.853    25497999360      0.46444    10.605744   10752749568

grossMargins grossProfits heldPercentInstitutions industry \
COP      0.52295    22936000000      0.8134    Oil & Gas E&P

marketCap operatingCashflow operatingMargins payoutRatio pegRatio \
COP 157619814400      19983998976      0.33401      0.2348      0.56

priceToBook priceToSalesTrailing12Months profitMargins quickRatio \
COP 3.20246      2.871035      0.23417      1.287

returnOnAssets returnOnEquity revenueGrowth revenuePerShare sector \
COP      0.1295      0.27835      0.828      41.447    Energy

sharesOutstanding shortRatio totalCash totalCashPerShare totalDebt \
COP 1293449984      1.83    7144000000      5.523    18745999360

totalRevenue trailingPE
COP 54899998720      12.631906
2022-06-10

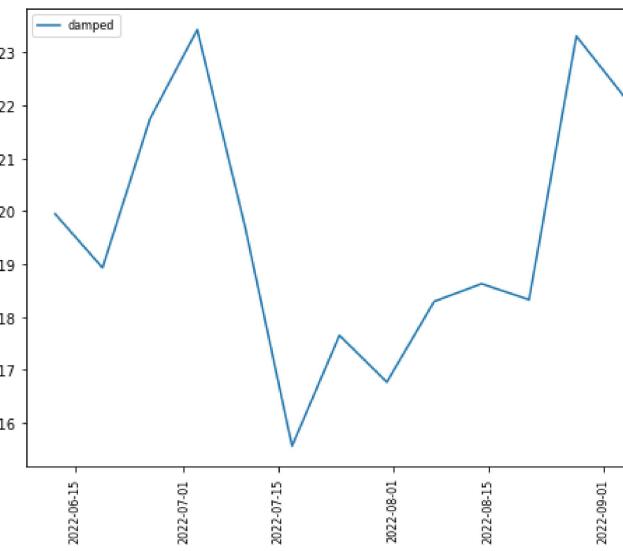
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21dBOLD 21dMA-TP 21dBOLU

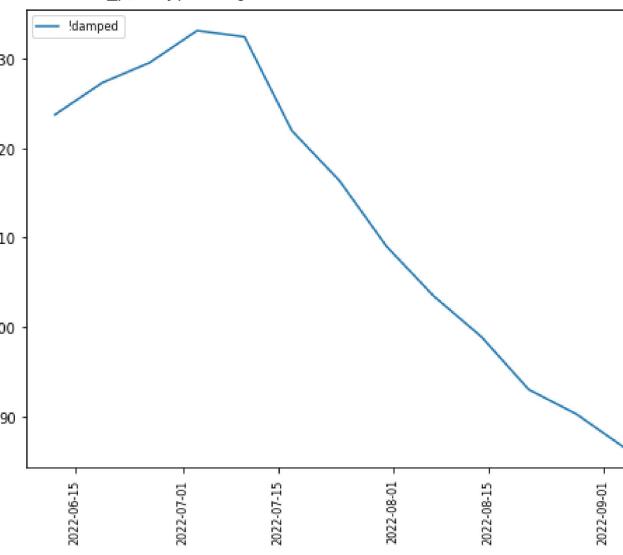
2022-06-10 98.434997 111.473651 124.512305

	volume_factor	latest_p	vol_30d_2yr	pct_2yr	adf	hurst
COP	0.946298	116.830002	164910706.505295	0.924909	0.992942	0.491541

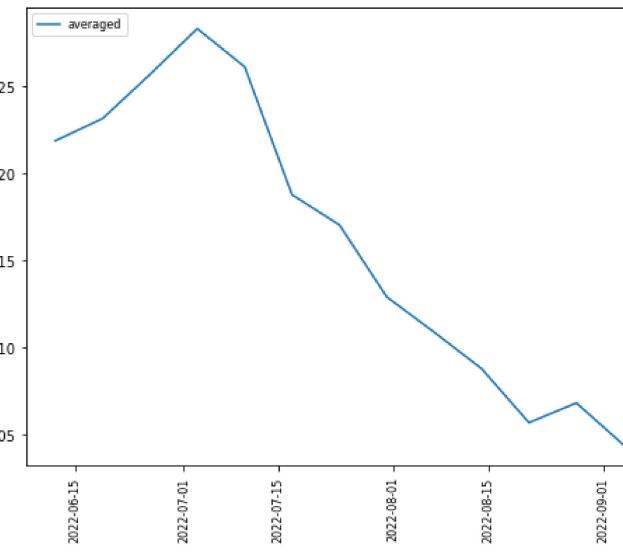
ets next 13 weeks
sell date: 2022-07-03
expected return: COP 0.056508
Name: latest_p, dtype: object



sell date: 2022-07-03
expected return: COP 0.139333
Name: latest_p, dtype: object



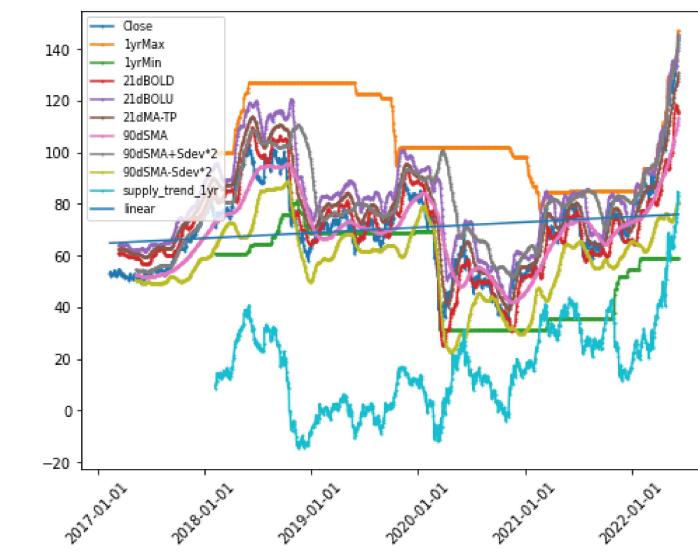
sell date: 2022-07-03
expected return: COP 0.09792
Name: latest_p, dtype: object



```

3
['options', ('2022-08-19', '2023-01-20', '2024-01-19')]
27
['sustainability', Value
2022-5
palmOil False
controversialWeapons False
gambling False
socialScore 9.71
nuclear False
furLeather False
alcoholic False
gmo False
catholic False
socialPercentile None
peerCount 66
governanceScore 7.68
environmentPercentile None
animalTesting False
tobacco False
totalEsg 34.92
highestControversy 2
esgPerformance OUT_PERF
coal False
pesticides False
adult False
percentile 77.49
peerGroup Oil & Gas Producers
smallArms False
environmentScore 17.53
governancePercentile None
militaryContract False]
VLO
Index: SP500
Sector: Energy
supply trend: 84050366.56580938
risk trend factor: 3.1558878750034074

```



```

beta currentRatio debtToEquity dividendRate dividendYield \
VLO 1.762704 1.178 64.483 3.92 0.027

ebitda ebitdaMargins forwardPE freeCashflow grossMargins \
VLO 6672999936 0.05306 12.882617 4647625216 0.05998

grossProfits heldPercentInstitutions industry \
VLO 5487000000 0.80461 Oil & Gas Refining & Marketing

marketCap operatingCashflow operatingMargins payoutRatio pegRatio \
VLO 58671964160 6498999808 0.0341 0.6312 0.42

priceToBook priceToSalesTrailing12Months profitMargins quickRatio \
VLO 3.117438 0.466521 0.02019 0.7

returnOnAssets returnOnEquity revenueGrowth revenuePerShare sector \
VLO 0.04701 0.14702 0.886 308.815 Energy

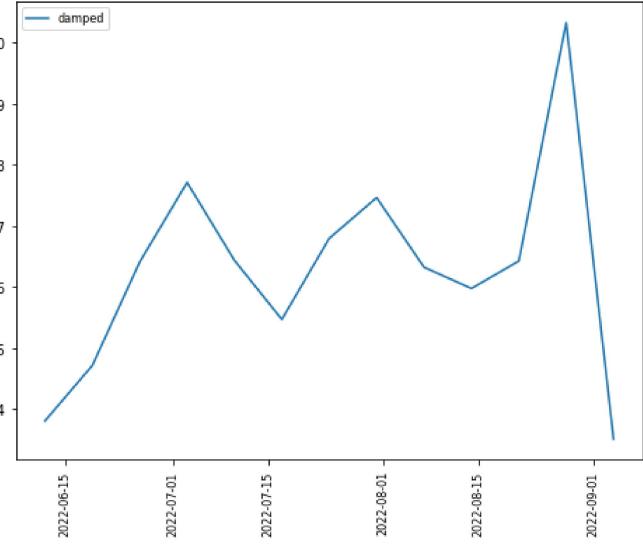
sharesOutstanding shortRatio totalCash totalCashPerShare totalDebt \
VLO 408096000 1.87 2638000128 6.464 13160999936

totalRevenue trailingPE
VLO 125765001216 23.143915
2022-06-10
21dBOLD 21dMA-TP 21dBOLU
2022-06-10 116.071949 130.762381 145.452813

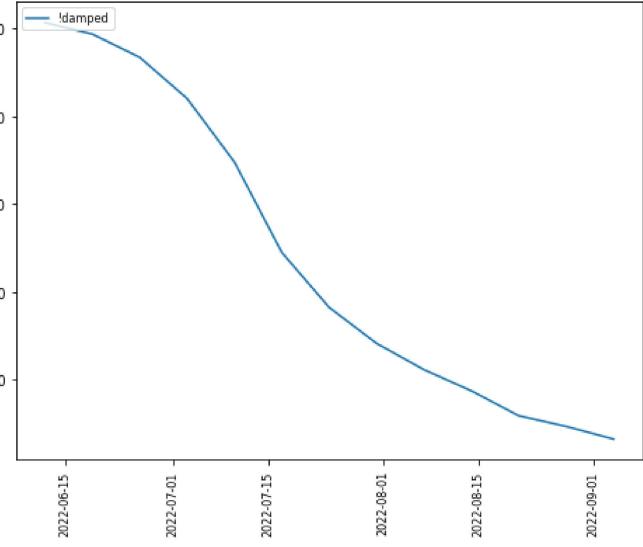
```

volume_factor	latest_p	vol_30d_2yr	pct_2yr	adf	hurst	
VLO	1.213534	140.509995	84050366.565809	0.943432	0.970961	0.536721

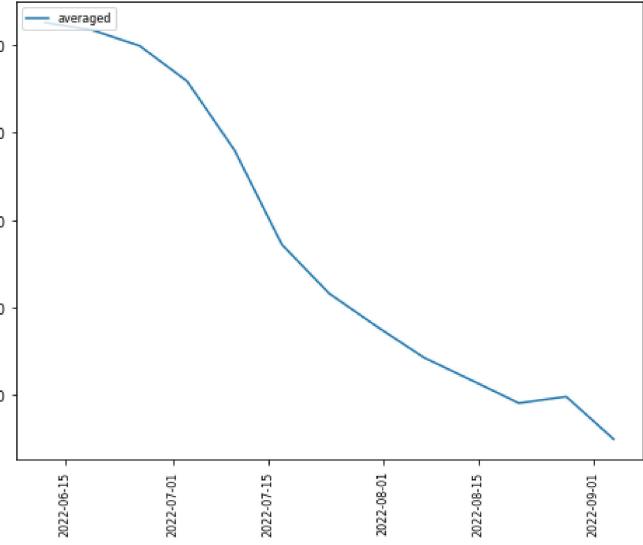
ets next 13 weeks
sell date: 2022-08-28
expected return: VLO 0.069843
Name: latest_p, dtype: object



sell date: 2022-08-28
expected return: VLO 0.005219
Name: latest_p, dtype: object



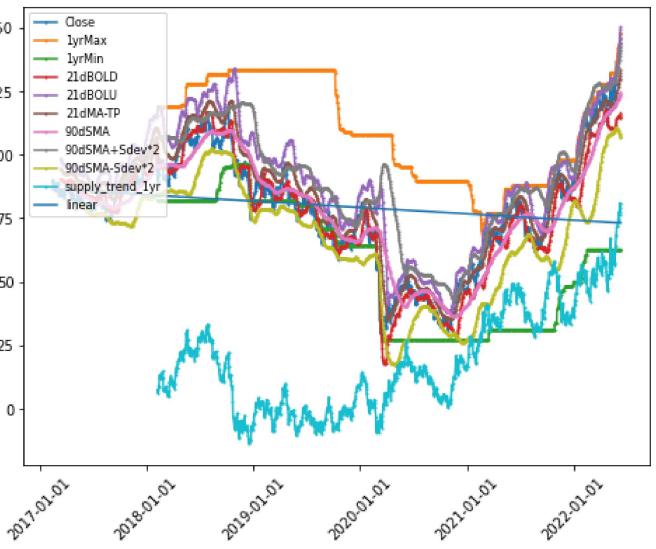
sell date: 2022-06-12
expected return: VLO 0.014345
Name: latest_p, dtype: object



```

3
['options', ('2022-06-17', '2023-01-20', '2024-01-19')]
27
['sustainability', Value
2022-5
palmOil False
controversialWeapons False
gambling False
socialScore 7.23
nuclear False
furLeather False
alcoholic False
gmo False
catholic False
socialPercentile None
peerCount 39
governanceScore 4.98
environmentPercentile None
animalTesting False
tobacco False
totalEsg 30.94
highestControversy 3
esgPerformance OUT_PERF
coal False
pesticides False
adult False
percentile 65.34
peerGroup Refiners & Pipelines
smallArms False
environmentScore 18.74
governancePercentile None
militaryContract False]
EOG
Index: SP500
Sector: Energy
supply trend: 86714140.16641453
risk trend factor: 3.0132617966707937

```



```

beta currentRatio debtToEquity dividendRate dividendYield \
EOG 1.778921 2.124 26.632 3 0.0241

earningsGrowth ebitda ebitdaMargins forwardPE freeCashflow \
EOG 4.838 10099000320 0.51064 14.574899 4534499840

grossMargins grossProfits heldPercentInstitutions industry \
EOG 0.65905 13034000000 0.90667 Oil & Gas E&P

marketCap operatingCashflow operatingMargins payoutRatio pegRatio \
EOG 84252958720 8791000064 0.30935 0.265 0.77

priceToBook priceToSalesTrailing12Months profitMargins quickRatio \
EOG 3.870343 4.260148 0.23583 1.866

returnOnAssets returnOnEquity revenueGrowth revenuePerShare sector \
EOG 0.10329 0.21957 1.047 34.04 Energy

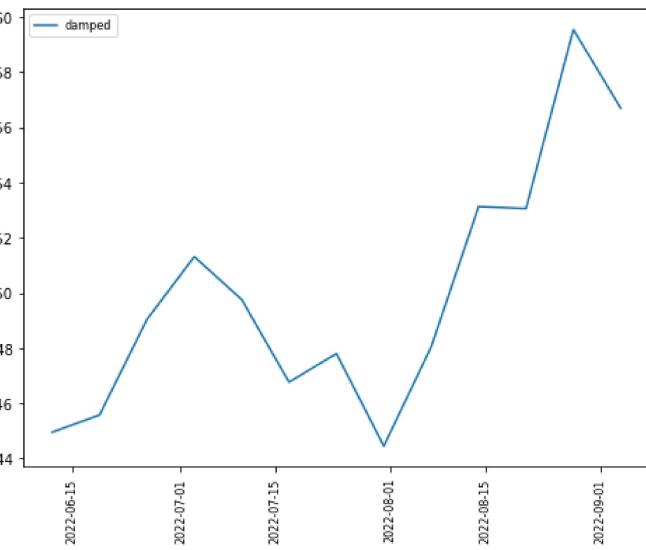
sharesOutstanding shortRatio totalCash totalCashPerShare totalDebt \
EOG 585089984 2.09 5208999936 8.898 5906999808

totalRevenue trailingPE
EOG 1977699424 27.761713
2022-06-10
21dBOLD 21dMA-TP 21dBOLU
2022-06-10 116.478407 133.361588 150.24477

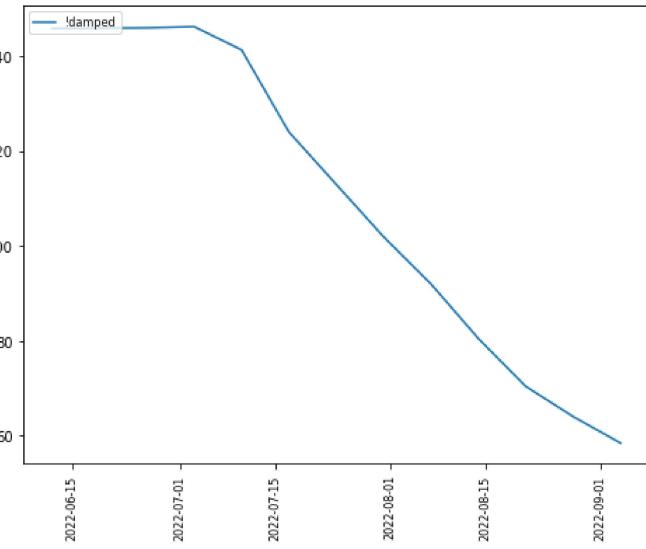
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	volume_factor	latest_p	vol_30d_2yr	pct_2yr	adf	hurst
EOG	0.92473	144.0	86714140.166415	0.96583	0.922673	0.487021

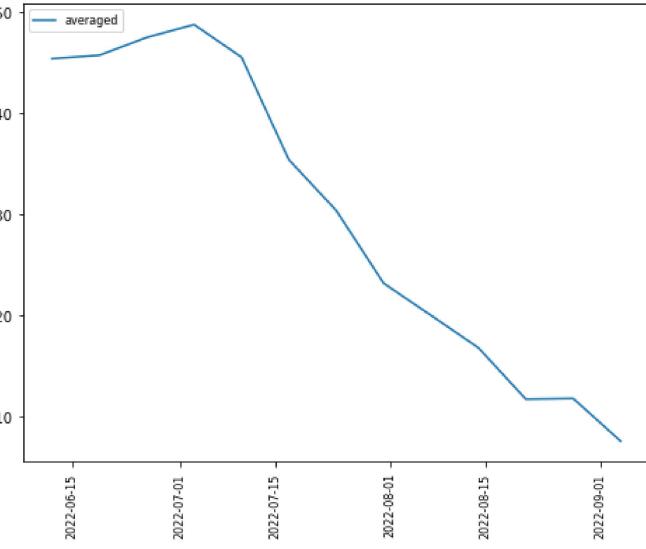
ets next 13 weeks
sell date: 2022-08-28
expected return: EOG 0.107852
Name: latest_p, dtype: object



sell date: 2022-08-28
expected return: EOG 0.014909
Name: latest_p, dtype: object



sell date: 2022-07-03
expected return: EOG 0.032838
Name: latest_p, dtype: object



23
['quarterly_balance_sheet',
Capital Surplus 6.087000e+09 6.058000e+09 6.017000e+09
Total Liab 1.605600e+10 1.540700e+10 1.600400e+10
Total Stockholder Equity 2.218000e+10 2.176500e+10 2.088100e+10
Other Current Liab 1.523000e+09 1.224000e+09 1.698000e+09
Total Assets 3.823600e+10 3.717200e+10 3.688500e+10
Common Stock 2.060000e+08 2.060000e+08 2.060000e+08
Other Current Assets 4.560000e+08 3.810000e+08 5.130000e+08
Retained Earnings 1.591900e+10 1.554200e+10 1.468900e+10
Other Liab 6.384000e+09 6.844000e+09 6.916000e+09
Treasury Stock -3.200000e+07 -4.100000e+07 -3.100000e+07
Other Assets 4.830000e+08 1.278000e+09 1.291000e+09
Cash 5.209000e+09 4.293000e+09 3.880000e+09
Total Current Liabilities 4.042000e+09 3.484000e+09 4.002000e+09
Deferred Long Term Asset Charges 1.100000e+07 1.400000e+07 3.000000e+06
Other Stockholder Equity -1.200000e+07 -1.300000e+07 -1.500000e+07
Property Plant Equipment 2.916900e+10 2.854500e+10 2.865900e+10
Total Current Assets 8.584000e+09 7.349000e+09 6.935000e+09
Net Tangible Assets 2.218000e+10 2.176500e+10 2.088100e+10
Net Receivables 2.335000e+09 2.154000e+09 2.026000e+09
Long Term Debt 4.859000e+09 5.079000e+09 5.086000e+09
Inventory 5.840000e+08 5.210000e+08 5.160000e+08
Accounts Payable 2.242000e+09 1.972000e+09 2.012000e+09
Short Long Term Debt NaN 3.800000e+07 3.900000e+07

2021-03-31

Capital Surplus 5.979000e+09
Total Liab 1.540900e+10
Total Stockholder Equity 2.076200e+10
Other Current Liab 1.059000e+09
Total Assets 3.617100e+10
Common Stock 2.060000e+08
Other Current Assets 4.130000e+08
Retained Earnings 1.466600e+10
Other Liab 7.003000e+09
Treasury Stock -2.900000e+07
Other Assets 1.314000e+09
Cash 3.388000e+09
Total Current Liabilities 3.312000e+09
Deferred Long Term Asset Charges 4.000000e+06
Other Stockholder Equity -1.400000e+07
Property Plant Equipment 2.866600e+10
Total Current Assets 6.191000e+09
Net Tangible Assets 2.076200e+10
Net Receivables 1.828000e+09
Long Term Debt 5.094000e+09
Inventory 5.620000e+08
Accounts Payable 1.945000e+09
Short Long Term Debt 3.900000e+07]

18

['quarterly_cashflow',
Change To Liabilities 3.410000e+08 -6.800000e+07
Total Cashflows From Investing Activities -8.370000e+08 -9.330000e+08
Net Borrowings -1.000000e+07 -9.000000e+06
Total Cash From Financing Activities -1.414000e+09 -8.500000e+08
Change To Operating Activities 2.000000e+07 -4.800000e+07
Issuance Of Stock 1.000000e+07 1.000000e+07
Net Income 1.985000e+09 1.095000e+09
Change In Cash 9.160000e+08 4.130000e+08
Repurchase Of Stock -8.000000e+06 -2.100000e+07
Effect Of Exchange Rate 1.000000e+06 1.000000e+06
Total Cash From Operating Activities 3.166000e+09 2.196000e+09
Depreciation 1.072000e+09 1.009000e+09
Other Cashflows From Investing Activities 1.000000e+08 -4.500000e+07
Dividends Paid -2.241732e+08 -2.488268e+08
Change To Inventory -1.080000e+08 -6.000000e+06
Change To Account Receivables -1.820000e+08 -1.450000e+08
Change To Netincome 1.200000e+07 1.530000e+08
Capital Expenditures -1.014000e+09 -8.960000e+08

2021-06-30 2021-03-31

Change To Liabilities 1.100000e+07 1.720000e+08
Total Cashflows From Investing Activities -8.280000e+08 -8.210000e+08
Net Borrowings -9.000000e+06 -7.590000e+08
Total Cash From Financing Activities -2.410000e+08 -9.880000e+08
Change To Operating Activities -1.410000e+08 -2.830000e+08
Issuance Of Stock 9.000000e+06 9.000000e+06
Net Income 9.070000e+08 6.770000e+08
Change In Cash 4.920000e+08 5.900000e+07
Repurchase Of Stock -2.000000e+06 -1.000000e+07
Effect Of Exchange Rate 2.000000e+06 -2.000000e+06
Total Cash From Operating Activities 1.559000e+09 1.870000e+09
Depreciation 9.570000e+08 9.430000e+08
Other Cashflows From Investing Activities 5.400000e+07 9.100000e+07
Dividends Paid -2.390000e+08 -2.190000e+08
Change To Inventory 3.700000e+07 6.400000e+07
Change To Account Receivables -1.860000e+08 -3.080000e+08
Change To Netincome 1.370000e+08 3.620000e+08
Capital Expenditures -1.023000e+09 -9.170000e+08]

4

['quarterly_earnings', Revenue Earnings]

Quarter
1Q2021 4067000000 677000000
2Q2021 4515000000 907000000
3Q2021 5258000000 1095000000
4Q2021 5937000000 1985000000]

22

['quarterly_financials',
Research Development None None
Effect Of Accounting Charges None None
Income Before Tax 2499000000.0 1429000000.0
Minority Interest None None
Net Income 1985000000.0 1095000000.0
Selling General Administrative 139000000.0 142000000.0
Gross Profit 4064000000.0 344000000.0
Ebit 2588000000.0 1470000000.0
Operating Income 2588000000.0 1470000000.0
Other Operating Expenses 180000000.0 771000000.0
Interest Expense -38000000.0 -48000000.0
Extraordinary Items None None
Non Recurring None None
Other Items None None
Income Tax Expense 514000000.0 334000000.0
Total Revenue 5937000000.0 5258000000.0
Total Operating Expenses 3349000000.0 3788000000.0
Cost Of Revenue 1873000000.0 1818000000.0
Total Other Income Expense Net -89000000.0 -41000000.0
Discontinued Operations None None
Net Income From Continuing Ops 1985000000.0 1095000000.0
Net Income Applicable To Common Shares 1985000000.0 1095000000.0

2021-06-30 2021-03-31

Research Development None None
Effect Of Accounting Charges None None
Income Before Tax 1124000000.0 881000000.0
Minority Interest None None
Net Income 907000000.0 677000000.0
Selling General Administrative 120000000.0 118000000.0
Gross Profit 2912000000.0 2618000000.0
Ebit 1121000000.0 939000000.0
Operating Income 1121000000.0 939000000.0
Other Operating Expenses 666000000.0 582000000.0
Interest Expense -45000000.0 -47000000.0
Extraordinary Items None None
Non Recurring None None
Other Items None None
Income Tax Expense 217000000.0 204000000.0
Total Revenue 4515000000.0 4067000000.0
Total Operating Expenses 3394000000.0 3128000000.0
Cost Of Revenue 1603000000.0 1449000000.0
Total Other Income Expense Net 3000000.0 -5800000.0
Discontinued Operations None None
Net Income From Continuing Ops 907000000.0 677000000.0
Net Income Applicable To Common Shares 907000000.0 677000000.0]

10

['mutualfund_holders', Holder Shares Date Reported % Out \\
0 Vanguard Total Stock Market Index Fund 16628038 2021-12-30 0.0284
1 Select Sector SPDR Fund-Energy Select 15554415 2022-01-30 0.0266
2 Vanguard 500 Index Fund 12390700 2021-12-30 0.0212
3 Growth Fund Of America Inc 11079049 2022-02-27 0.0189
4 Washington Mutual Investors Fund 10123086 2022-01-30 0.0173
5 American Mutual Fund Inc 9597595 2022-01-30 0.0164
6 Investment Company Of America 8922398 2021-12-30 0.0152
7 JP Morgan Equity Income Fund 7968006 2021-12-30 0.0136
8 Capital World Growth and Income Fund 6235135 2022-02-27 0.0106
9 SPDR S&P 500 ETF Trust 6192774 2022-01-30 0.0106

Value

0 1477068615
1 1734006184
2 1100665881
3 1273204311
4 1128521627
5 1069939890
6 792576614
7 707797972
8 716541714
9 690370445]
4

['options', ('2022-07-15', '2023-01-20', '2024-01-19', '2026-03-20')]

27

['sustainability', Value

2022-5

palmOil False
controversialWeapons False
gambling False
socialScore 8.13
nuclear False
furLeather False
alcoholic False
gmo False
catholic False
socialPercentile 0

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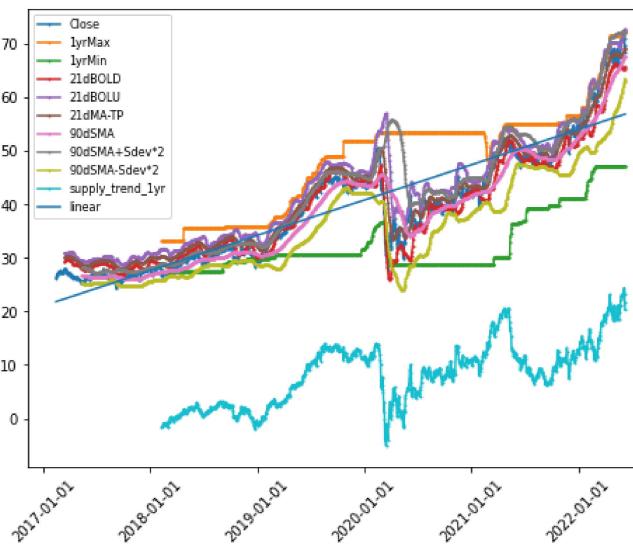
peerCount          66
governanceScore   7.73
environmentPercentile 0
animalTesting      False
tobacco            False
totalEsg           36.25
highestControversy 1
esgPerformance    LEAD_PERF
coal               False
pesticides         False
adult              False
percentile         81.37
peerGroup          Oil & Gas Producers
smallArms          False
environmentScore   20.39
governancePercentile 0
militaryContract   False]
WRB

```

```

Index: SP500
Sector: Financial Services
supply trend: 23023001.531770047
risk trend factor: 2.9081260434938816

```



```

beta debtToEquity dividendRate dividendYield earningsGrowth \
WRB 0.788235      52.129     0.35      0.0051      1.585

ebitda ebitdaMargins forwardPE grossMargins grossProfits \
WRB 1976933504     0.19355   13.101728   0.44661   4029355000

heldPercentInstitutions industry marketCap \
WRB 0.69304   Insurance--Property & Casualty 12057446400

operatingMargins payoutRatio pegRatio priceToBook \
WRB 0.18096      0.07       1.83      1.813544

priceToSalesTrailing12Months profitMargins revenueGrowth revenuePerShare \
WRB 1.180482      0.13546     0.352      36.85

sector sharesOutstanding shortRatio totalCash \
WRB Financial Services 176640000     1.06      2748449024

totalCashPerShare totalDebt totalRevenue trailingPE
WRB 10.364      3475796992  10214005760  12.265948
2022-06-10

```

21dBOLD 21dMA-TP 21dBOLU

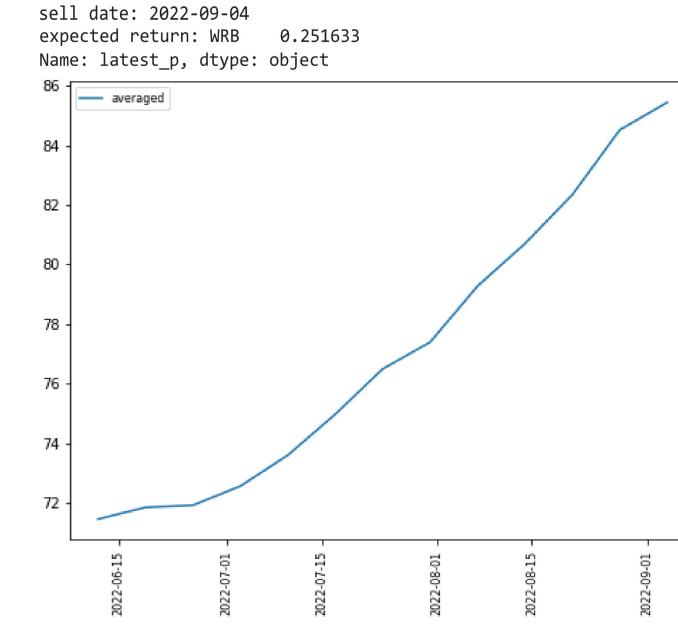
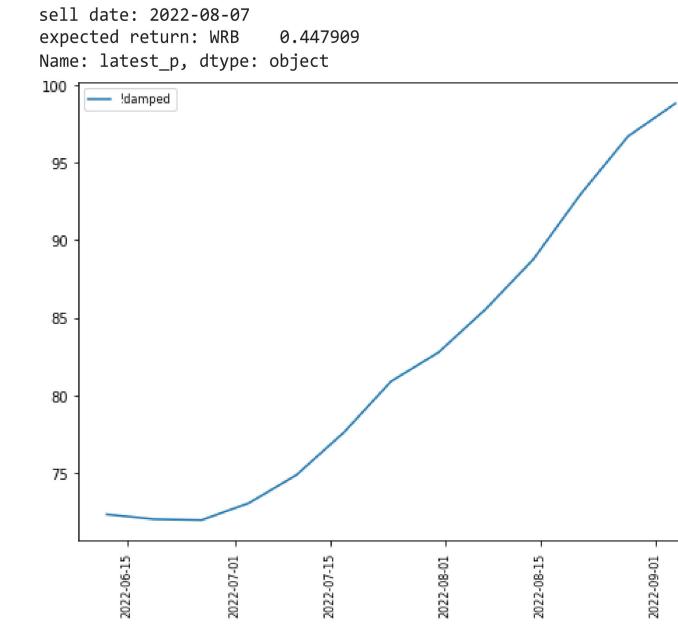
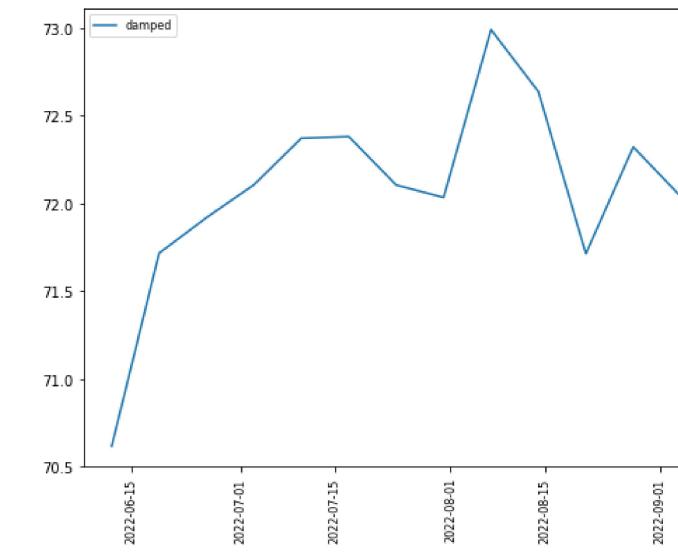
```
2022-06-10 65.61324 69.11873 72.624221
```

	volume_factor	latest_p	vol_30d_2yr	pct_2yr	adf	hurst
WRB	1.310112	68.260002	23023001.53177	0.886168	0.965152	0.455795

```

ets next 13 weeks
sell date: 2022-08-07
expected return: WRB 0.069266
Name: latest_p, dtype: object

```



26					
['quarterly_balance_sheet',		2022-03-31	2021-12-31	2021-09-30	\
Total Stockholder Equity	6.653011e+09	6.653011e+09	6.648441e+09		
Net Tangible Assets	6.398359e+09	6.398359e+09	6.478789e+09		
Intangible Assets	NaN	7.611450e+08	6.626360e+08		
Capital Surplus	NaN	1.016372e+09	1.018300e+09		
Total Liab	NaN	2.541868e+10	2.488058e+10		
Minority Interest	NaN	1.471900e+07	1.527000e+07		
Other Current Liab	NaN	4.923033e+09	4.770052e+09		
Total Assets	NaN	3.208641e+10	3.154429e+10		
Common Stock	NaN	7.053500e+07	7.053500e+07		
Other Current Assets	NaN	3.045964e+09	2.919056e+09		
Retained Earnings	NaN	9.015135e+09	8.920334e+09		
Other Liab	NaN	1.113986e+09	1.159717e+09		
Good Will	NaN	1.696520e+08	1.696520e+08		
Treasury Stock	NaN	-3.449931e+09	-3.360728e+09		
Other Assets	NaN	2.521156e+09	2.500260e+09		
Cash	NaN	1.568843e+09	2.069029e+09		
Total Current Liabilities	NaN	2.130029e+10	2.026349e+10		
Deferred Long Term Asset Charges	NaN	5.742500e+07	NaN		
Short Long Term Debt	NaN	4.264260e+08	5.000000e+06		
Other Stockholder Equity	NaN	-2.819550e+08	-1.908620e+08		
Property Plant Equipment	NaN	5.920630e+08	5.906700e+08		
Total Current Assets	NaN	9.017870e+09	9.328265e+09		
Long Term Investments	NaN	1.902453e+10	1.829280e+10		
Net Receivables	NaN	2.546542e+09	2.808928e+09		
Long Term Debt	NaN	2.840642e+09	3.261118e+09		
Accounts Payable	NaN	1.590587e+10	1.547705e+10		
	2021-06-30				
Total Stockholder Equity	6.578276e+09				
Net Tangible Assets	6.408624e+09				
Intangible Assets	6.276470e+08				
Capital Surplus	1.035166e+09				
Total Liab	2.370996e+10				
Minority Interest	9.678000e+06				
Other Current Liab	4.544714e+09				
Total Assets	3.029792e+10				
Common Stock	7.053500e+07				
Other Current Assets	2.803790e+09				
Retained Earnings	8.682088e+09				
Other Liab	1.044232e+09				
Good Will	1.696520e+08				
Treasury Stock	-3.209513e+09				
Other Assets	2.454554e+09				
Cash	1.790199e+09				
Total Current Liabilities	1.958691e+10				
Deferred Long Term Asset Charges	NaN				
Short Long Term Debt	3.000000e+06				
Other Stockholder Equity	-1.224440e+08				
Property Plant Equipment	5.771780e+08				
Total Current Assets	8.802932e+09				
Long Term Investments	1.766595e+10				
Net Receivables	2.893894e+09				
Long Term Debt	2.916046e+09				
Accounts Payable	1.501623e+10]			
18					
['quarterly_cashflow',		2022-03-31	2021-12-31	\	
Net Income	590638000.0	294430000.0			
Change To Liabilities	0.0	86599000.0			
Investments	NaN	-666087000.0			
Total Cashflows From Investing Activities	NaN	-948573000.0			
Net Borrowings	NaN	665000.0			
Total Cash From Financing Activities	NaN	-216185000.0			
Change To Operating Activities	NaN	308505000.0			
Change In Cash	NaN	-500186000.0			
Effect Of Exchange Rate	NaN	4979000.0			
Total Cash From Operating Activities	NaN	659593000.0			
Depreciation	NaN	28352000.0			
Other Cashflows From Investing Activities	NaN	-253641000.0			
Dividends Paid	NaN	-22851532.0			
Change To Account Receivables	NaN	697000.0			
Other Cashflows From Financing Activities	NaN	-17221000.0			
Change To Netincome	NaN	-52638000.0			
Capital Expenditures	NaN	-13076000.0			
Repurchase Of Stock	NaN	NaN			
	2021-09-30	2021-06-30			
Net Income	261297000.0	237238000.0			
Change To Liabilities	234263000.0	253475000.0			
Investments	-696817000.0	-289676000.0			
Total Cashflows From Investing Activities	-638931000.0	-206411000.0			
Net Borrowings	346827000.0	-399550000.0			
Total Cash From Financing Activities	98046000.0	-404247000.0			
Change To Operating Activities	510536000.0	398099000.0			
Change In Cash	278830000.0	-224712000.0			
Effect Of Exchange Rate	-8870000.0	1127000.0			
Total Cash From Operating Activities	828585000.0	384819000.0			
Depreciation	30733000.0	37054000.0			
Other Cashflows From Investing Activities	81542000.0	-33896000.0			
Dividends Paid	-46124841.0	-46124841.0			
Change To Account Receivables	-43374000.0	-225428000.0			

```
Other Cashflows From Financing Activities -21216000.0 -4697000.0
Change To Netincome -69408000.0 -73630000.0
Capital Expenditures -5285000.0 -37401000.0
Repurchase Of Stock -92743000.0 -92743000.0 ]
```

```
4
['quarterly_earnings', Revenue Earnings
Quarter
```

```
2Q2021 2296086000 237238000
3Q2021 2424283000 261297000
4Q2021 2578228000 294430000
1Q2022 2915409000 590638000]
```

```
22
```

```
['quarterly_financials', 2022-03-31 2021-12-31 \
```

```
Research Development None None
Effect Of Accounting Charges None None
Income Before Tax 732433000.0 354616000.0
Minority Interest NaN 14719000.0
Net Income 590638000.0 294430000.0
Selling General Administrative NaN 9617000.0
Gross Profit 1481302000.0 1084200000.0
Ebit 763235000.0 385441000.0
Operating Income 763235000.0 385441000.0
Other Operating Expenses 718067000.0 689142000.0
Interest Expense -34970000.0 -37334000.0
Extraordinary Items None None
Non Recurring None None
Other Items None None
Income Tax Expense 139403000.0 60313000.0
Total Revenue 2915409000.0 2578228000.0
Total Operating Expenses 2152174000.0 2192787000.0
Cost Of Revenue 1434107000.0 1494028000.0
Total Other Income Expense Net -30802000.0 -30825000.0
Discontinued Operations None None
Net Income From Continuing Ops 593030000.0 294303000.0
Net Income Applicable To Common Shares 590638000.0 294430000.0
```

```
2021-09-30 2021-06-30
```

```
Research Development None None
Effect Of Accounting Charges None None
Income Before Tax 332281000.0 299940000.0
Minority Interest 15270000.0 9678000.0
Net Income 261297000.0 237238000.0
Selling General Administrative 11741000.0 11429000.0
Gross Profit 1010426000.0 985741000.0
Ebit 354884000.0 344814000.0
Operating Income 354884000.0 344814000.0
Other Operating Expenses 643801000.0 629498000.0
Interest Expense -35100000.0 -38096000.0
Extraordinary Items None None
Non Recurring None None
Other Items None None
Income Tax Expense 64963000.0 62262000.0
Total Revenue 2424283000.0 2296086000.0
Total Operating Expenses 2069399000.0 1951272000.0
Cost Of Revenue 1413857000.0 1310345000.0
Total Other Income Expense Net -22603000.0 -44874000.0
Discontinued Operations None None
Net Income From Continuing Ops 267318000.0 237678000.0
Net Income Applicable To Common Shares 261297000.0 237238000.0 ]
```

```
10
```

```
['mutualfund_holders', Holder Shares Date Reported \
```

```
0 Eaton Vance Atlanta Capital SMID-Cap Fd 6914517 2021-12-30
1 Janus Henderson Enterprise Fund 5220135 2021-12-30
2 Vanguard Total Stock Market Index Fund 3764733 2021-12-30
3 Victory Portfolios-Sycamore Established Value ... 3670000 2022-01-30
4 First Eagle Global Fund 3504173 2022-01-30
5 Vanguard Mid-Cap Index Fund 2995637 2021-12-30
6 Vanguard 500 Index Fund 2955527 2021-12-30
7 JP Morgan Mid Cap Value Fund 1596210 2021-12-30
8 Select Sector SPDR Fund-Financial 1547113 2022-01-30
9 SPDR S&P 500 ETF Trust 1487247 2022-01-30
```

```
% Out Value
0 0.0261 379791365
1 0.0197 286724611
2 0.0142 206784232
3 0.0138 206743332
4 0.0132 197401744
5 0.0113 164540352
6 0.0111 162337244
7 0.0060 87674493
8 0.0058 87154031
9 0.0056 83781580 ]
```

```
1
['options', ('2022-07-15',)]
```

```
27
```

```
['sustainability', Value
```

```
2022-5
```

```
palmOil False
controversialWeapons False
gambling False
socialScore 7.83
```

```

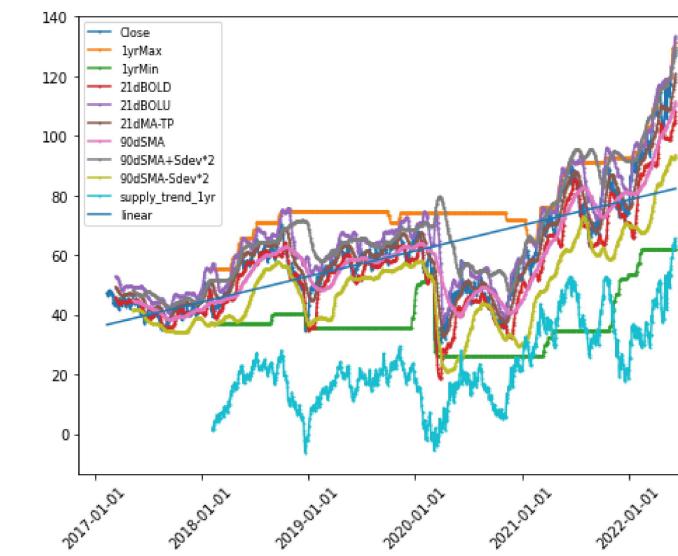
nuclear      False
furLeather   False
alcoholic    False
gmo          False
catholic     False
socialPercentile 0
peerCount    96
governanceScore 12.16
environmentPercentile 0
animalTesting False
tobacco      False
totalEsg     21.95
highestControversy 1
esgPerformance None
coal          False
pesticides   False
adult         False
percentile   31.22
peerGroup    Insurance
smallArms    False
environmentScore 1.95
governancePercentile 0
militaryContract False]
HES

```

```

Index: SP500
Sector: Energy
supply trend: 66701550.453857794
risk trend factor: 2.8809300900511263

```



```

beta currentRatio debtToEquity dividendRate dividendYield \
HES 1.684375 1.418 122.347 1.5 0.0118

```

```

earningsGrowth ebitda ebitdaMargins forwardPE freeCashflow \
HES 0.634 3804000000 0.49454 11.819778 1165250048

```

```

grossMargins grossProfits heldPercentInstitutions industry \
HES 0.71425 5267000000 0.85669 Oil & Gas E&P

```

```

marketCap operatingCashflow operatingMargins payoutRatio pegRatio \
HES 39807426560 214300064 0.3007 0.4828 0.19

```

```

priceToBook priceToSalesTrailing12Months profitMargins quickRatio \
HES 6.277734 5.175172 0.09412 1.257

```

```

returnOnAssets returnOnEquity revenueGrowth revenuePerShare sector \
HES 0.07461 0.1547 0.21 24.96 Energy

```

```

sharesOutstanding shortRatio totalCash totalCashPerShare totalDebt \
HES 311263008 3.58 1370000000 4.424 8622999552

```

```

totalRevenue trailingPE
HES 7692000256 54.794342
2022-06-10

```

21dBOLD 21dMA-TP 21dBOLU

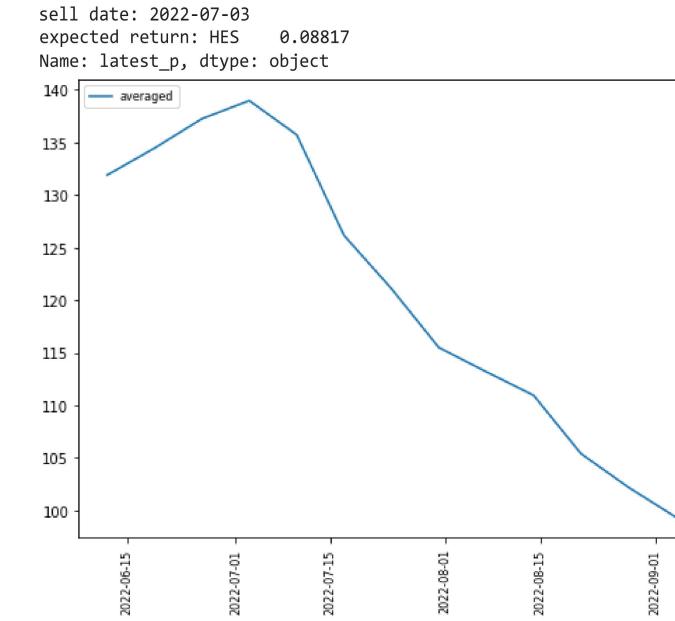
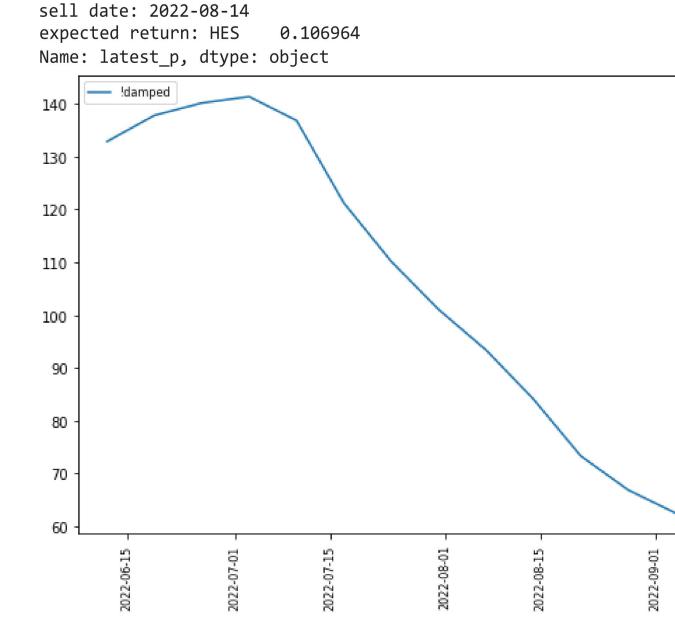
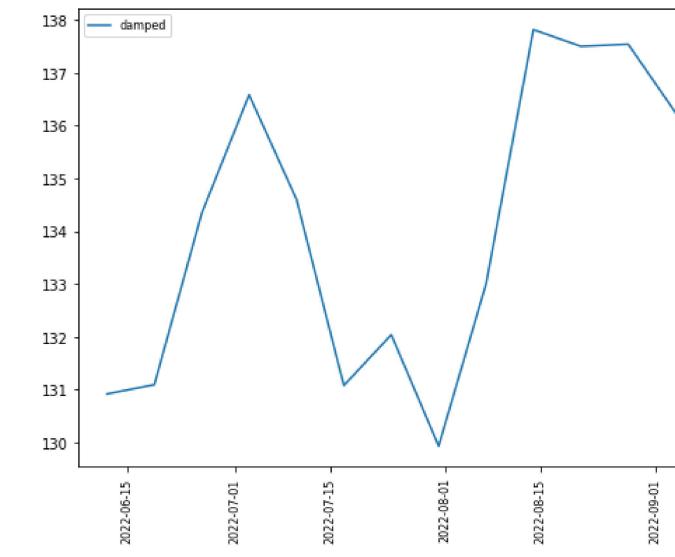
2022-06-10 108.176953 120.776666 133.37638

volume_factor	latest_p	vol_30d_2yr	pct_2yr	adf	hurst	
HES	0.637367	127.720001	66701550.453858	0.961499	0.97499	0.449233

```

ets next 13 weeks
sell date: 2022-08-14
expected return: HES 0.079043
Name: latest_p, dtype: object

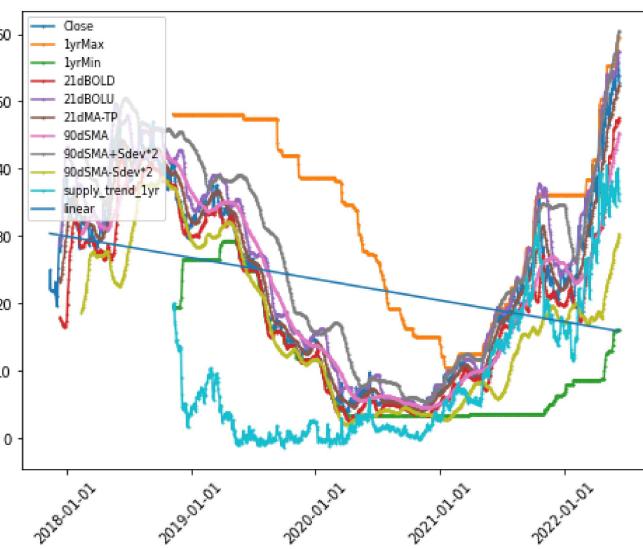
```



```

3
['options', ('2022-08-19', '2023-01-20', '2024-01-19')]
27
['sustainability',                               Value
2022-5
palmOil                         False
controversialWeapons            False
gambling                        False
socialScore                      6.36
nuclear                          False
furLeather                       False
alcoholic                         False
gmo                             False
catholic                         False
socialPercentile                None
peerCount                        66
governanceScore                 6.97
environmentPercentile           None
animalTesting                     False
tobacco                           False
totalEsg                          31.78
highestControversy               2
esgPerformance                  OUT_PERF
coal                            False
pesticides                       False
adult                            False
percentile                       68.13
peerGroup                        Oil & Gas Producers
smallArms                        False
environmentScore                 18.44
governancePercentile             None
militaryContract                 False]
CEIX
Index: SP600
Sector: Energy
supply trend: 9591390.716180371
risk trend factor: 2.853515807990338

```



```

beta currentRatio debtToEquity earningsGrowth   ebitda \
CEIX  2.379059      0.868     100.167      5.642  282313984

ebitdaMargins forwardPE freeCashflow grossMargins grossProfits \
CEIX    0.22235  10.293775  196007120     0.33279  422536000

heldPercentInstitutions industry marketCap operatingCashflow \
CEIX    0.86884   Thermal Coal  1824347392      305568992

operatingMargins payoutRatio priceToBook priceToSalesTrailing12Months \
CEIX    0.04547        0     3.764765      1.436839

profitMargins quickRatio returnOnAssets returnOnEquity revenueGrowth \
CEIX    0.02686      0.586     0.01416     0.05563      0.249

revenuePerShare sector sharesOutstanding shortRatio totalCash \
CEIX    36.905   Energy      34480200      1.85  149912992

totalCashPerShare totalDebt totalRevenue
CEIX      4.348  673937984  1269694976
2022-06-10

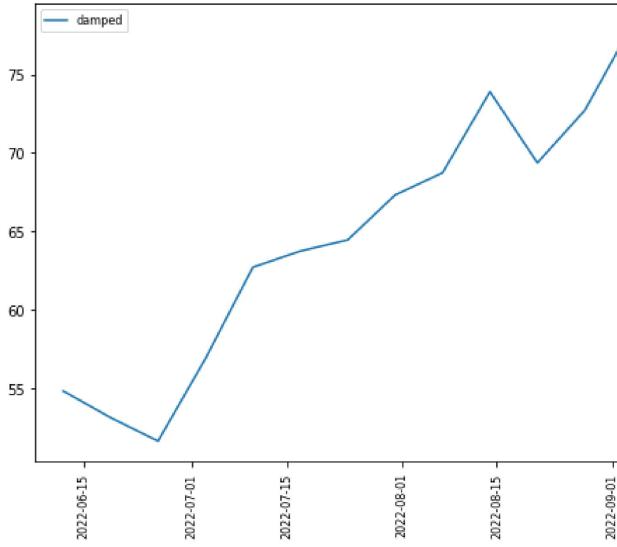
```

21dBOLD 21dMA-TP 21dBOLU

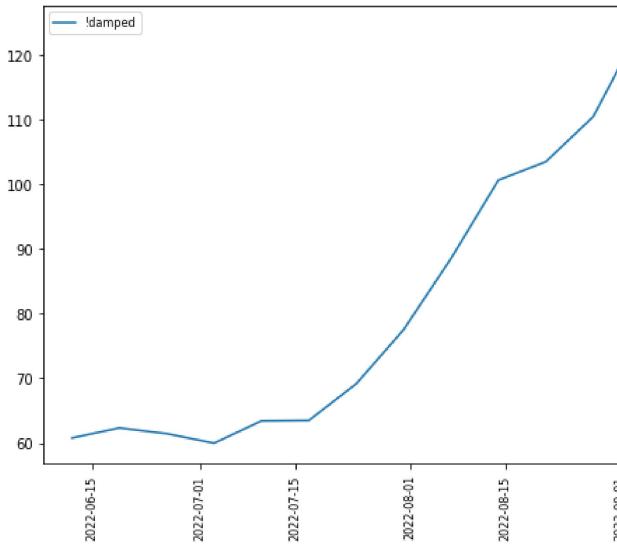
```
2022-06-10  47.5295  52.432841  57.336183
```

	volume_factor	latest_p	vol_30d_2yr	pct_2yr	adf	hurst
CEIX	1.511199	52.91	9591390.71618	0.883884	0.933936	0.522101

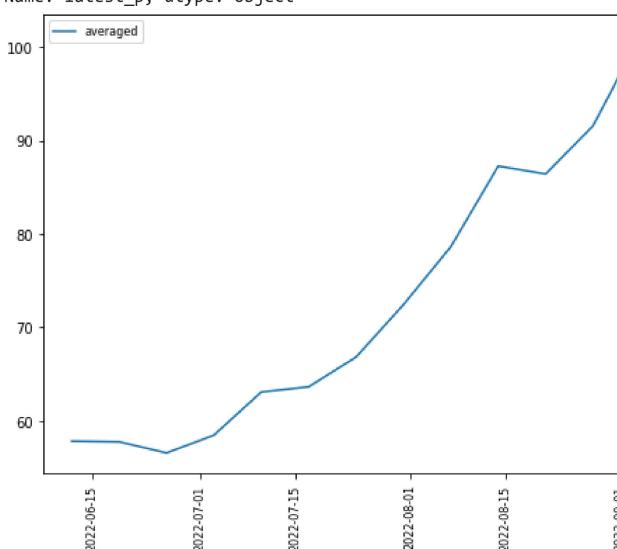
ets next 13 weeks
sell date: 2022-09-04
expected return: CEIX 0.477477
Name: latest_p, dtype: object



sell date: 2022-09-04
expected return: CEIX 1.34848
Name: latest_p, dtype: object



sell date: 2022-09-04
expected return: CEIX 0.912978
Name: latest_p, dtype: object



23					
			2021-12-31	2021-09-30	2021-06-30 \
'quarterly_balance_sheet',					
Capital Surplus	6.469450e+08	6.449200e+08	6.430330e+08		
Total Liab	1.900704e+09	2.105167e+09	1.965198e+09		
Total Stockholder Equity	6.728130e+08	4.845800e+08	5.927330e+08		
Other Current Liab	1.790310e+08	2.688430e+08	1.451780e+08		
Total Assets	2.573517e+09	2.589747e+09	2.557931e+09		
Common Stock	3.450000e+05	3.450000e+05	3.450000e+05		
Other Current Assets	3.747200e+07	4.242800e+07	3.166900e+07		
Retained Earnings	2.809600e+08	1.636370e+08	2.774260e+08		
Other Liab	8.455480e+08	9.379920e+08	9.285180e+08		
Treasury Stock	-2.554370e+08	-3.243220e+08	-3.280710e+08		
Other Assets	5.153480e+08	5.008660e+08	4.742010e+08		
Cash	1.499130e+08	1.619810e+08	1.466670e+08		
Total Current Liabilities	4.452320e+08	5.156760e+08	3.702570e+08		
Deferred Long Term Asset Charges	5.701100e+07	1.113720e+08	6.965600e+07		
Short Long Term Debt	3.658900e+07	2.765100e+07	3.139500e+07		
Other Stockholder Equity	-2.554370e+08	-3.243220e+08	-3.280710e+08		
Property Plant Equipment	1.671829e+09	1.704640e+09	1.711778e+09		
Total Current Assets	3.863400e+08	3.842410e+08	3.719520e+08		
Net Tangible Assets	6.728130e+08	4.845800e+08	5.927330e+08		
Net Receivables	1.108630e+08	9.881800e+07	1.153080e+08		
Long Term Debt	5.680520e+08	5.976970e+08	6.093260e+08		
Inventory	6.287600e+07	5.601500e+07	5.929900e+07		
Accounts Payable	8.034300e+07	7.839200e+07	6.807300e+07		
	2021-03-31				
Capital Surplus	6.420540e+08				
Total Liab	1.937495e+09				
Total Stockholder Equity	5.830650e+08				
Other Current Liab	1.260430e+08				
Total Assets	2.520560e+09				
Common Stock	3.440000e+05				
Other Current Assets	3.030000e+05				
Retained Earnings	2.732540e+08				
Other Liab	9.485460e+08				
Treasury Stock	-3.325870e+08				
Other Assets	4.475660e+08				
Cash	9.117400e+07				
Total Current Liabilities	3.711940e+08				
Deferred Long Term Asset Charges	6.226100e+07				
Short Long Term Debt	2.888900e+07				
Other Stockholder Equity	-3.325870e+08				
Property Plant Equipment	1.736252e+09				
Total Current Assets	3.367420e+08				
Net Tangible Assets	5.830650e+08				
Net Receivables	1.662310e+08				
Long Term Debt	5.504440e+08				
Inventory	5.520900e+07				
Accounts Payable	7.538200e+07]			
16					
			2021-12-31	2021-09-30	\
'quarterly_cashflow',					
Change To Liabilities	5226000.0	13242000.0			
Total Cashflows From Investing Activities	-35758000.0	-45884000.0			
Net Borrowings	-30768000.0	-22550000.0			
Total Cash From Financing Activities	-30768000.0	-22551000.0			
Change To Operating Activities	-27258000.0	1564000.0			
Net Income	117323000.0	-113789000.0			
Change In Cash	-14100000.0	12103000.0			
Total Cash From Operating Activities	52426000.0	80538000.0			
Depreciation	56510000.0	55977000.0			
Other Cashflows From Investing Activities	-7843000.0	-156000.0			
Change To Inventory	-6861000.0	3284000.0			
Change To Account Receivables	-9263000.0	8877000.0			
Change To Netincome	-85331000.0	109242000.0			
Capital Expenditures	-29434000.0	-45863000.0			
Repurchase Of Stock	NaN	-1000.0			
Other Cashflows From Financing Activities	NaN	NaN			
	2021-06-30	2021-03-31			
Change To Liabilities	-6922000.0	-73000.0			
Total Cashflows From Investing Activities	-40225000.0	-5494000.0			
Net Borrowings	56940000.0	-29803000.0			
Total Cash From Financing Activities	54342000.0	-31875000.0			
Change To Operating Activities	-14728000.0	-3098000.0			
Net Income	4172000.0	26404000.0			
Change In Cash	188726000.0	40627000.0			
Total Cash From Operating Activities	94609000.0	77996000.0			
Depreciation	52199000.0	59897000.0			
Other Cashflows From Investing Activities	-156000.0	-182000.0			
Change To Inventory	-3574000.0	475000.0			
Change To Account Receivables	50857000.0	-5764000.0			
Change To Netincome	10414000.0	-1985000.0			
Capital Expenditures	-43655000.0	-13800000.0			
Repurchase Of Stock	-230000.0	-2072000.0			
Other Cashflows From Financing Activities	-2368000.0	-2368000.0]		
4					
			'quarterly_earnings',	Revenue	Earnings
Quarter					
1Q2021	332361000	26404000			
2Q2021	303895000	4172000			
3Q2021	294837000	-113789000			

4Q2021 338602000 117323000]

22

```
[ 'quarterly_financials',
Research Development           None      None      None
Effect Of Accounting Charges   None      None      None
Income Before Tax              162586000.0 -154047000.0 -4721000.0
Minority Interest               None      None      None
Net Income                      117323000.0 -113789000.0 4172000.0
Selling General Administrative  20131000.0 22476000.0 22542000.0
Gross Profit                     11053000.0 8648000.0 102837000.0
Ebit                           150330000.0 -139095000.0 7904000.0
Operating Income                 150330000.0 -139095000.0 7904000.0
Other Operating Expenses         -115918000.0 147050000.0 20192000.0
Interest Expense                 -15849000.0 -16045000.0 -16187000.0
Extraordinary Items              None      None      None
Non Recurring                   None      None      None
Other Items                      None      None      None
Income Tax Expense               45263000.0 -40258000.0 -8893000.0
Total Revenue                    338602000.0 294837000.0 303895000.0
Total Operating Expenses          188272000.0 433932000.0 295991000.0
Cost Of Revenue                  227549000.0 208429000.0 201058000.0
Total Other Income Expense Net   12256000.0 -14952000.0 -12625000.0
Discontinued Operations          None      None      None
Net Income From Continuing Ops  117323000.0 -113789000.0 4172000.0
Net Income Applicable To Common Shares 117323000.0 -113789000.0 4172000.0
```

2021-03-31

```
Research Development             None
Effect Of Accounting Charges    None
Income Before Tax               31589000.0
Minority Interest                None
Net Income                       26404000.0
Selling General Administrative  23964000.0
Gross Profit                      120238000.0
Ebit                            36592000.0
Operating Income                  36592000.0
Other Operating Expenses          -215000.0
Interest Expense                 -15261000.0
Extraordinary Items              None
Non Recurring                   None
Other Items                      None
Income Tax Expense               5185000.0
Total Revenue                    332361000.0
Total Operating Expenses          295769000.0
Cost Of Revenue                  212123000.0
Total Other Income Expense Net   -5003000.0
Discontinued Operations          None
Net Income From Continuing Ops  26404000.0
Net Income Applicable To Common Shares 26404000.0 ]
```

10

```
[ 'mutualfund_holders',
Holder      Shares Date Reported \
0          iShares Core S&P Smallcap ETF 2228007 2022-01-30
1  SPDR (R) Ser Tr-SPDR (R) S&P (R) Metals & Mini... 1914035 2022-01-30
2          iShares Russell 2000 ETF 792575 2022-01-30
3          Vanguard Total Stock Market Index Fund 735685 2021-12-30
4  Victory Portfolios-Victory Integrity Small Cap... 704300 2021-12-30
5          DFA U.S. Small Cap Value Series 629572 2022-01-30
6          iShares S&P Smallcap 600 Value ETF 526608 2022-01-30
7          Vanguard Extended Market Index Fund 430229 2021-12-30
8          iShares Russell 2000 Value ETF 366723 2022-01-30
9          Pacer Small Cap U.S. Cash Cows 100 ETF 323552 2022-01-30
```

% Out	Value
0 0.0640	48436872
1 0.0550	41611120
2 0.0228	17230580
3 0.0211	16707406
4 0.0202	15994653
5 0.0181	13686895
6 0.0151	11448457
7 0.0124	9770500
8 0.0105	7972558
9 0.0093	7034020]

2 ['options', ('2022-06-17', '2022-08-19')]

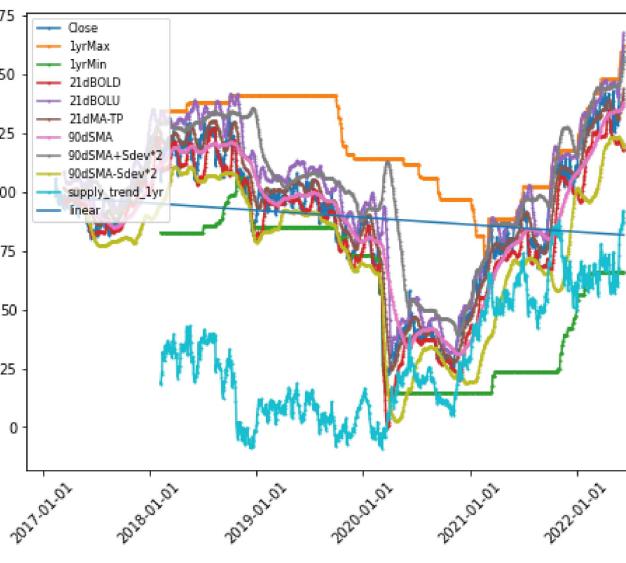
FANG

Index: SP500

Sector: Energy

supply trend: 49440914.67473525

risk trend factor: 2.7344633265558405



beta currentRatio debtToEquity dividendRate dividendYield \

FANG 2.181941 0.72 42.218 2.8 0.0181

earningsGrowth ebitda ebitdaMargins forwardPE freeCashflow \

FANG 2.278 5041999872 0.65762 7.115401 953625024

grossMargins grossProfits heldPercentInstitutions industry \

FANG 0.86683 5577000000 0.91778 Oil & Gas E&P

marketCap operatingCashflow operatingMargins payoutRatio pegRatio \

FANG 28453900288 4572000256 0.48611 0.1272 0.39

priceToBook priceToSalesTrailing12Months profitMargins quickRatio \

FANG 2.233632 3.711217 0.35751 0.656

returnOnAssets returnOnEquity revenueGrowth revenuePerShare sector \

FANG 0.10278 0.22396 1.034 42.596 Energy

sharesOutstanding shortRatio totalCash totalCashPerShare totalDebt \

FANG 177492992 2.75 149000000 0.839 5848000000

totalRevenue trailingPE

FANG 7666999808 10.57384

2022-06-10

21dBOLD 21dMA-TP 21dBOLU

2022-06-10 120.025332 143.822381 167.61943

volume_factor	latest_p	vol_30d_2yr	pct_2yr	adf	hurst
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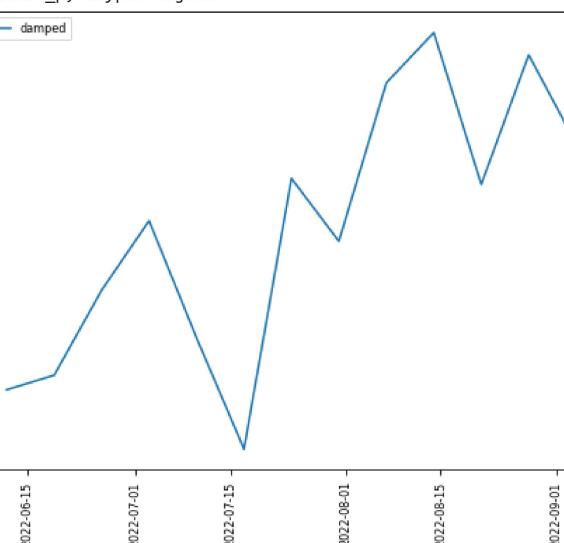
FANG 1.227123 155.490005 49440914.674735 0.951302 0.837164 0.472651

ets next 13 weeks

sell date: 2022-08-14

expected return: FANG 0.122326

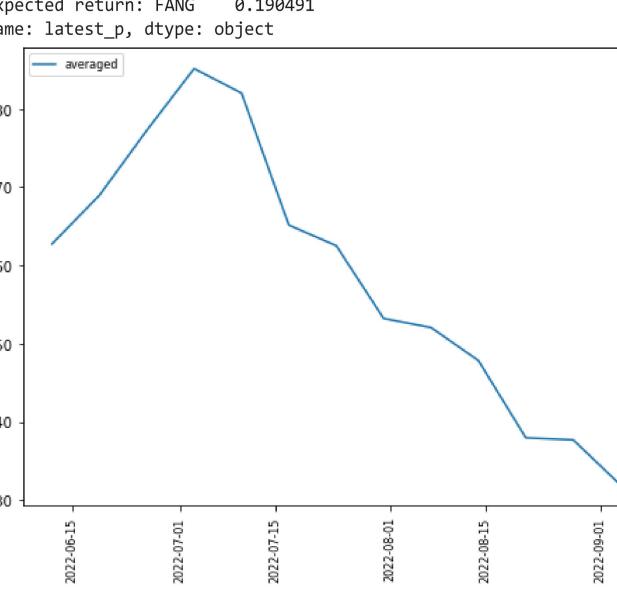
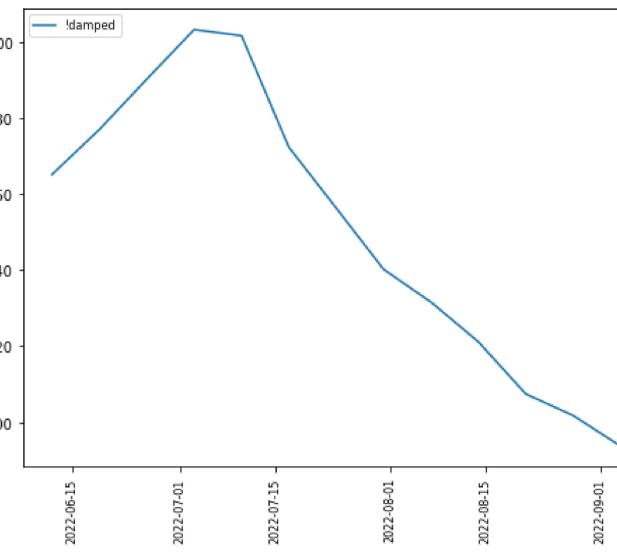
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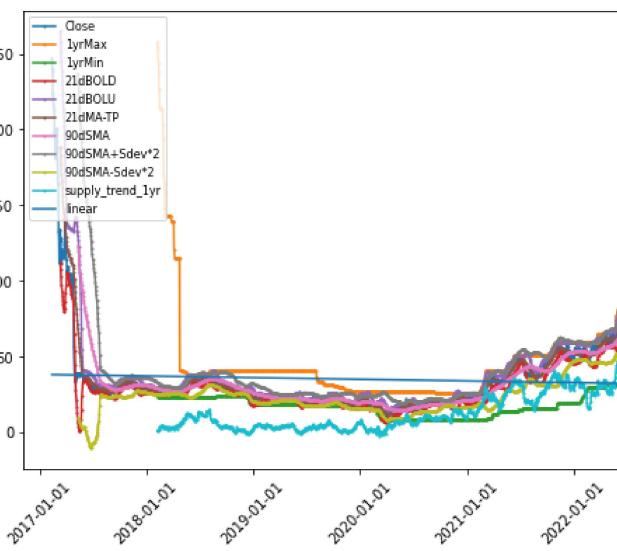
sell date: 2022-08-14

expected return: FANG 0.306695

Name: latest_p, dtype: object



```
3
['options', ('2022-06-17', '2023-01-20', '2024-01-19')]
CIVI
Index: SP600
Sector: Energy
supply trend: 7642718.420574887
risk trend factor: 2.668131309107495
```



```

beta currentRatio debtToEquity dividendRate dividendYield    ebtda \
CIVI  1.69646      0.505      11.399      1.85      0.0222  910931008

ebitdaMargins forwardPE freeCashflow grossMargins grossProfits \
CIVI  0.54408  5.807773  855249152  0.79951  731177000

heldPercentInstitutions      industry   marketCap operatingCashflow \
CIVI  1.04378  Oil & Gas E&P  7110930432  764176000

operatingMargins payoutRatio pegRatio priceToBook \
CIVI  0.26443      0.2792      0.4      1.532868

priceToSalesTrailing12Months profitMargins quickRatio returnOnAssets \
CIVI  4.247195      0.16167      0.477      0.06714

returnOnEquity revenueGrowth revenuePerShare sector sharesOutstanding \
CIVI  0.09524      10.028      31.498  Energy        84967504

shortRatio totalCash totalCashPerShare totalDebt totalRevenue \
CIVI  6.57  154348992      1.817  528631008  1674264960

trailingPE
CIVI 16.671316
2022-06-10

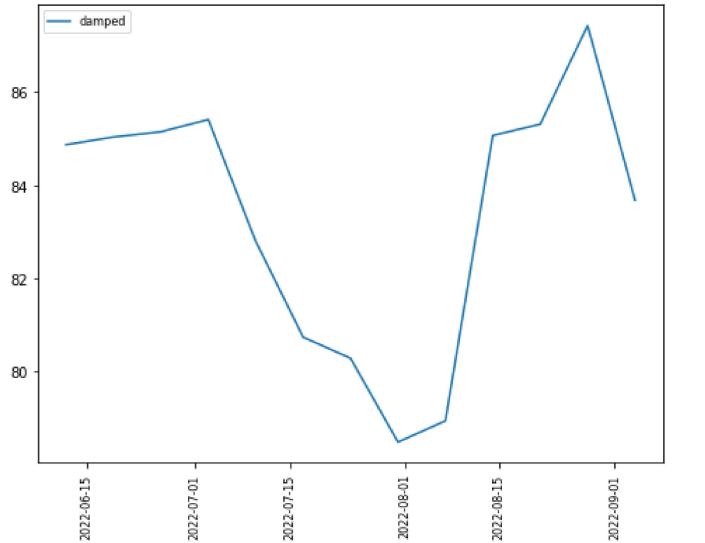
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21dBOLD 21dMA-TP 21dBOLU

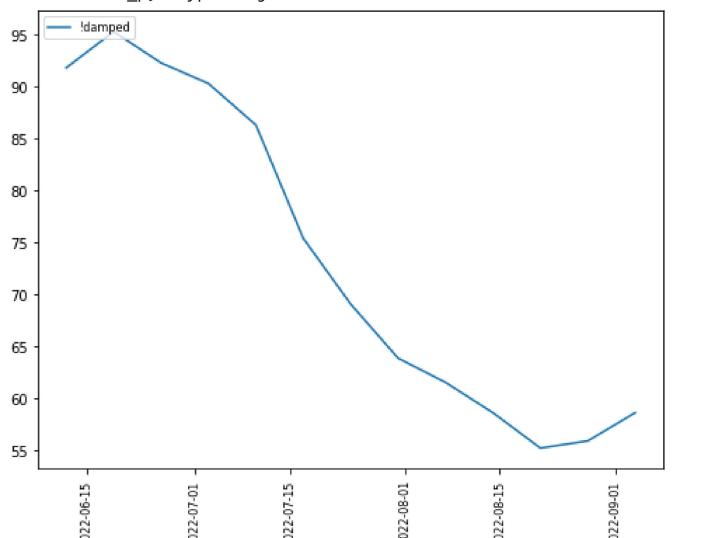
2022-06-10 56.1793 72.431587 88.683875

	volume_factor	latest_p	vol_30d_2yr	pct_2yr	adf	hurst
CIVI	2.177131	80.660004	7642718.420575	0.942041	0.020246	0.49614

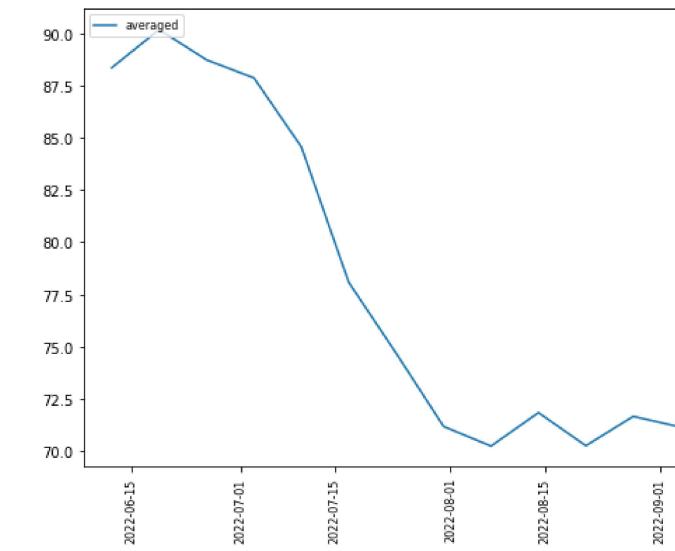
ets next 13 weeks
sell date: 2022-08-28
expected return: CIVI 0.083786
Name: latest_p, dtype: object



sell date: 2022-08-28
expected return: CIVI 0.181758
Name: latest_p, dtype: object

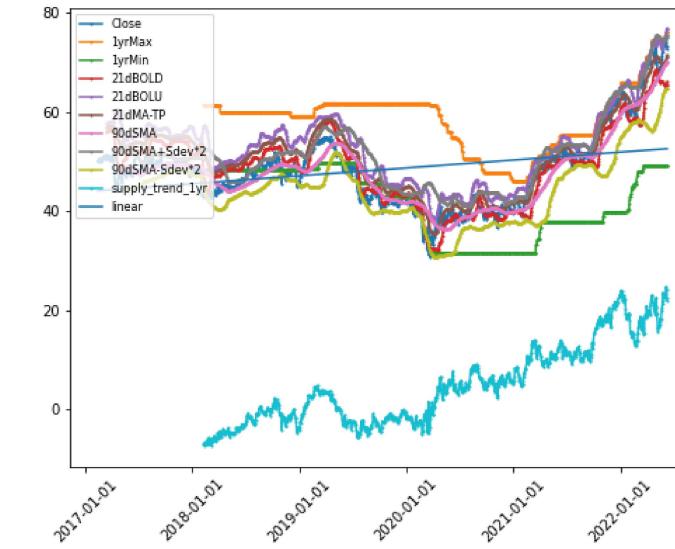


sell date: 2022-06-19
expected return: CIVI 0.117969
Name: latest_p, dtype: object



```
2
['options', ('2022-07-15', '2022-12-16')]
```

NFG
Index: SP400
Sector: Energy
supply trend: 11033521.558245083
risk trend factor: 2.6550357052664886



```
beta currentRatio debtToEquity dividendRate dividendYield \
NFG 0.723039 0.633 132.864 1.82 0.0271

earningsGrowth ebitda ebitdaMargins forwardPE freeCashflow \
NFG 0.694 1026038976 0.5552 13.185118 113741128

grossMargins grossProfits heldPercentInstitutions industry \
NFG 0.61861 1095026000 0.75657 Oil & Gas Integrated

marketCap operatingCashflow operatingMargins payoutRatio pegRatio \
NFG 6624960512 758292992 0.37081 0.3534 1.2

priceToBook priceToSalesTrailing12Months profitMargins quickRatio \
NFG 3.708525 3.584827 0.22633 0.45

returnOnAssets returnOnEquity revenueGrowth revenuePerShare sector \
NFG 0.05856 0.20134 0.239 20.265 Energy

sharesOutstanding shortRatio totalCash totalCashPerShare totalDebt \
NFG 91190096 3.78 79065000 0.865 2803702016
```

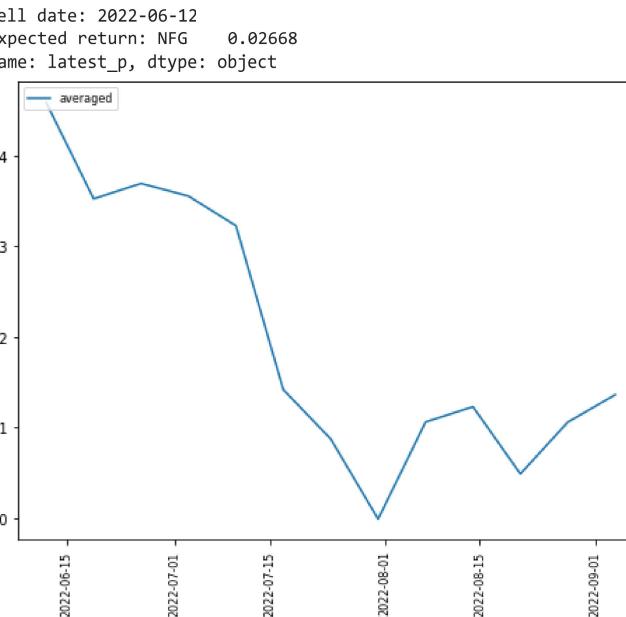
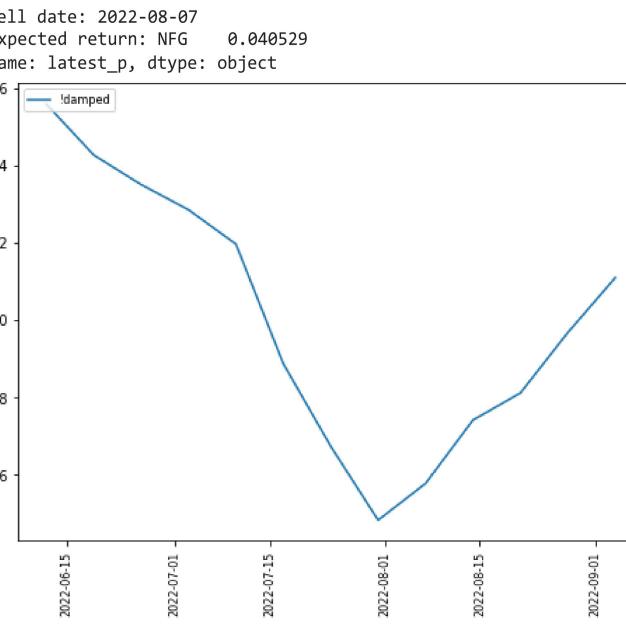
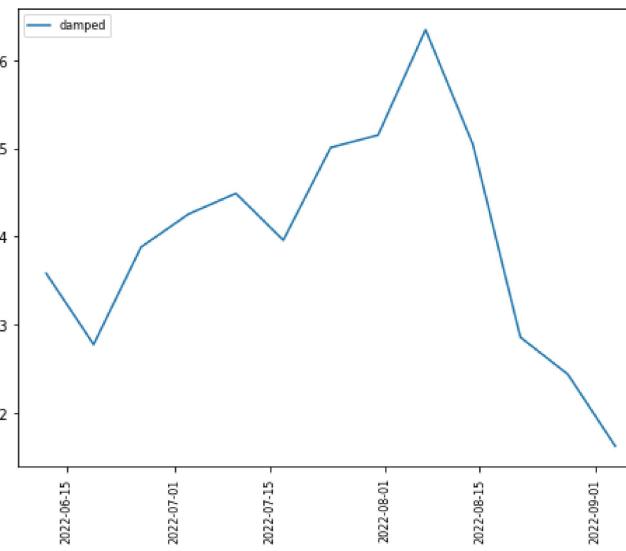
```
totalRevenue trailingPE
NFG 1848056064 18.299747
2022-06-10
```

21dBOLD 21dMA-TP 21dBOLU

2022-06-10 66.029887 71.394603 76.75932

	volume_factor	latest_p	vol_30d_2yr	pct_2yr	adf	hurst
NFG	0.912129	72.650002	11033521.558245	0.912861	0.982328	0.468009

ets next 13 weeks
sell date: 2022-08-07
expected return: NFG 0.050853
Name: latest_p, dtype: object



24					
	'quarterly_balance_sheet',		2021-12-31	2021-09-30	2021-06-30 \
Capital Surplus	1.013821e+09	1.017446e+09	1.012703e+09		
Total Liab	5.479478e+09	5.678619e+09	5.197561e+09		
Total Stockholder Equity	2.110195e+09	1.786206e+09	2.011114e+09		
Deferred Long Term Liab	2.536600e+08	2.290640e+08	3.343380e+08		
Other Current Liab	4.894420e+08	8.377480e+08	4.037490e+08		
Total Assets	7.589673e+09	7.464825e+09	7.208675e+09		
Common Stock	9.143700e+07	9.118200e+07	9.117300e+07		
Other Current Assets	6.503700e+07	1.589440e+08	2.513100e+07		
Retained Earnings	1.281963e+09	1.191175e+09	1.145700e+09		
Other Liab	1.952837e+09	1.794161e+09	1.969099e+09		
Good Will	5.476000e+06	5.476000e+06	5.476000e+06		
Treasury Stock	-2.770260e+08	-5.135970e+08	-2.384620e+08		
Other Assets	4.572680e+08	4.239440e+08	4.727480e+08		
Cash	7.906500e+07	3.152800e+07	1.180120e+08		
Total Current Liabilities	8.961390e+08	1.236133e+09	6.006020e+08		
Other Stockholder Equity	-2.770260e+08	-5.135970e+08	-2.384620e+08		
Property Plant Equipment	6.498855e+09	6.407884e+09	6.185657e+09		
Total Current Assets	5.671900e+08	5.224490e+08	4.395570e+08		
Long Term Investments	6.088400e+07	1.050720e+08	1.052370e+08		
Net Tangible Assets	2.104719e+09	1.780730e+09	2.005638e+09		
Net Receivables	3.246070e+08	2.237960e+08	2.016750e+08		
Long Term Debt	2.629602e+09	2.628687e+09	2.627860e+09		
Inventory	7.011800e+07	8.722900e+07	6.619100e+07		
Accounts Payable	1.299340e+08	1.716550e+08	1.134700e+08		
	2021-03-31				
Capital Surplus	1.009075e+09				
Total Liab	5.016683e+09				
Total Stockholder Equity	2.098969e+09				
Deferred Long Term Liab	3.362960e+08				
Other Current Liab	2.410690e+08				
Total Assets	7.115652e+09				
Common Stock	9.116400e+07				
Other Current Assets	2.553100e+07				
Retained Earnings	1.100718e+09				
Other Liab	1.986678e+09				
Good Will	5.476000e+06				
Treasury Stock	-1.019880e+08				
Other Assets	4.728080e+08				
Cash	8.046700e+07				
Total Current Liabilities	4.029720e+08				
Other Stockholder Equity	-1.019880e+08				
Property Plant Equipment	6.076070e+09				
Total Current Assets	4.571840e+08				
Long Term Investments	1.041140e+08				
Net Tangible Assets	2.093493e+09				
Net Receivables	2.621640e+08				
Long Term Debt	2.627033e+09				
Inventory	5.795700e+07				
Accounts Payable	1.073050e+08]
17					
	'quarterly_cashflow',		2021-12-31	2021-09-30	\
Investments	30000000.0	30000000.0			
Change To Liabilities	-13491000.0	41101000.0			
Total Cashflows From Investing Activities	-169710000.0	-236247000.0			
Net Borrowings	7500000.0	15850000.0			
Total Cash From Financing Activities	-42846000.0	116920000.0			
Change To Operating Activities	-8783000.0	-74859000.0			
Net Income	132392000.0	86962000.0			
Change In Cash	-41073000.0	416000.0			
Repurchase Of Stock	-8859000.0	-97000.0			
Total Cash From Operating Activities	171483000.0	119743000.0			
Depreciation	88578000.0	83671000.0			
Other Cashflows From Investing Activities	13781000.0	2712000.0			
Dividends Paid	-41487000.0	-41483000.0			
Change To Inventory	17111000.0	-21038000.0			
Change To Account Receivables	-98688000.0	-20680000.0			
Change To Netincome	54284000.0	24586000.0			
Capital Expenditures	-213491000.0	-238959000.0			
	2021-06-30	2021-03-31			
Investments	30000000.0	30000000.0			
Change To Liabilities	-1139000.0	-6878000.0			
Total Cashflows From Investing Activities	-174780000.0	-155320000.0			
Net Borrowings	158500000.0	-45448000.0			
Total Cash From Financing Activities	-40642000.0	-86016000.0			
Change To Operating Activities	418000.0	-12453000.0			
Net Income	86475000.0	112436000.0			
Change In Cash	39255000.0	-28946000.0			
Repurchase Of Stock	-71000.0	-8000.0			
Total Cash From Operating Activities	254677000.0	212390000.0			
Depreciation	84170000.0	84342000.0			
Other Cashflows From Investing Activities	-872000.0	246000.0			
Dividends Paid	-40571000.0	-40560000.0			
Change To Inventory	-8234000.0	13385000.0			
Change To Account Receivables	60426000.0	-37553000.0			
Change To Netincome	32561000.0	59111000.0			
Capital Expenditures	-173908000.0	-155566000.0]
4					
	'quarterly_earnings',	Revenue	Earnings		

Quarter
1Q2021 551115000 112436000
2Q2021 394397000 86475000
3Q2021 355988000 86962000
4Q2021 546557000 132392000]

22

['quarterly_financials',
Research Development None None None
Effect Of Accounting Charges None None None
Income Before Tax 177289000.0 101682000.0 116810000.0
Minority Interest None None None
Net Income 132392000.0 86962000.0 86475000.0
Selling General Administrative 2951000.0 373000.0 4847000.0
Gross Profit 322738000.0 239398000.0 258732000.0
Ebit 206780000.0 131900000.0 145223000.0
Operating Income 206780000.0 131900000.0 145223000.0
Other Operating Expenses 24561000.0 23454000.0 24492000.0
Interest Expense -31291000.0 -30431000.0 -31232000.0
Extraordinary Items None None None
Non Recurring None None None
Other Items None None None
Income Tax Expense 44897000.0 14720000.0 30335000.0
Total Revenue 546557000.0 355988000.0 394397000.0
Total Operating Expenses 339849000.0 224088000.0 249174000.0
Cost Of Revenue 223819000.0 116590000.0 135665000.0
Total Other Income Expense Net -29419000.0 -30218000.0 -28413000.0
Discontinued Operations None None None
Net Income From Continuing Ops 132392000.0 86962000.0 86475000.0
Net Income Applicable To Common Shares 132392000.0 86962000.0 86475000.0

2021-03-31

Research Development None
Effect Of Accounting Charges None
Income Before Tax 152646000.0
Minority Interest None
Net Income 112436000.0
Selling General Administrative 12597000.0
Gross Profit 322368000.0
Ebit 201442000.0
Operating Income 201442000.0
Other Operating Expenses 23987000.0
Interest Expense -50518000.0
Extraordinary Items None
Non Recurring None
Other Items None
Income Tax Expense 40210000.0
Total Revenue 551115000.0
Total Operating Expenses 349673000.0
Cost Of Revenue 228747000.0
Total Other Income Expense Net -48796000.0
Discontinued Operations None
Net Income From Continuing Ops 112436000.0
Net Income Applicable To Common Shares 112436000.0]

10

['mutualfund_holders',
0 SPDR (R) Ser Tr- SPDR (R) S&P (R) Dividend ETF 3976535 Holder Shares Date Reported \\
2022-01-30
1 J P Morgan Mid Cap Value Fund 3731484 2021-12-30
2 Vanguard Total Stock Market Index Fund 2589317 2021-12-30
3 iShares Core S&P Midcap ETF 2527575 2022-01-30
4 Price (T.Rowe) Mid-Cap Value Fund 2403328 2021-12-30
5 Vanguard Small-Cap Index Fund 2299210 2021-12-30
6 Gabelli Utilities Fund 1705500 2021-12-30
7 Vanguard Small Cap Value Index Fund 1455965 2021-12-30
8 Vanguard Extended Market Index Fund 1204306 2021-12-30
9 Price (T.Rowe) Mid-Cap Value Equity Trust 1011543 2021-12-30

% Out Value
0 0.0435 241494970
1 0.0408 238591086
2 0.0283 165560928
3 0.0276 153499629
4 0.0263 153668792
5 0.0251 147011487
6 0.0186 109049670
7 0.0159 93094402
8 0.0132 77003325
9 0.0111 64678059]

1
['options', ('2022-07-15',)]

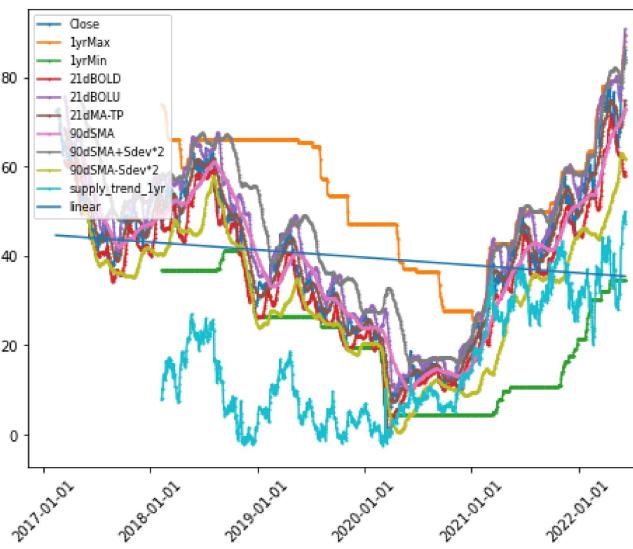
PDCE

Index: SP400

Sector: Energy

Supply trend: 26294633.055975795

Risk trend factor: 2.6335961140263304



```
beta currentRatio debtToEquity dividendRate dividendYield \
PDCE 2.747277      0.575     34.654      1.4      0.0164
```

```
ebitda ebitdaMargins forwardPE freeCashflow grossMargins \
PDCE 1255468032      0.45227    4.092647    598676224      0.89205
```

```
grossProfits heldPercentInstitutions industry marketCap \
PDCE 2111095000      0.97868    Oil & Gas E&P 8288278016
```

```
operatingCashflow operatingMargins payoutRatio pegRatio priceToBook \
PDCE 1683784960      0.21746     0.1225      0.17      2.888328
```

```
priceToSalesTrailing12Months profitMargins quickRatio returnOnAssets \
PDCE 2.985751      0.1799      0.555      0.06877
```

```
returnOnEquity revenueGrowth revenuePerShare sector sharesOutstanding \
PDCE 0.18662      0.877       28.416   Energy      99272794
```

```
shortRatio totalCash totalCashPerShare totalDebt totalRevenue \
PDCE 6.72 171156992      1.794    958110016    2775943936
```

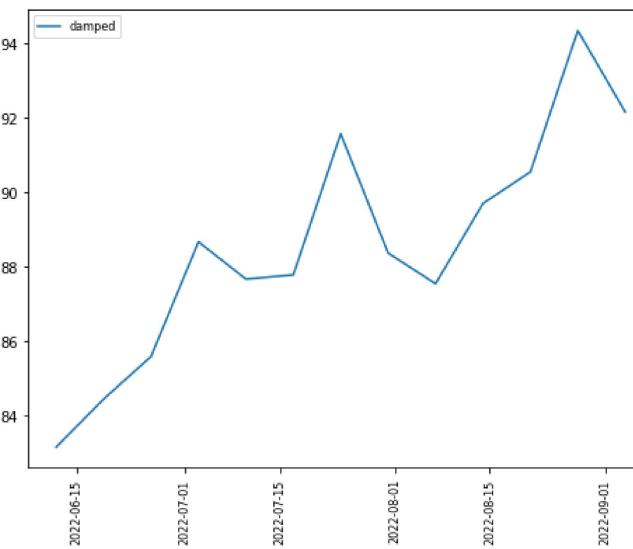
trailingPE
PDCE 16.581926
2022-06-10

21dBOLD 21dMA-TP 21dBOLU

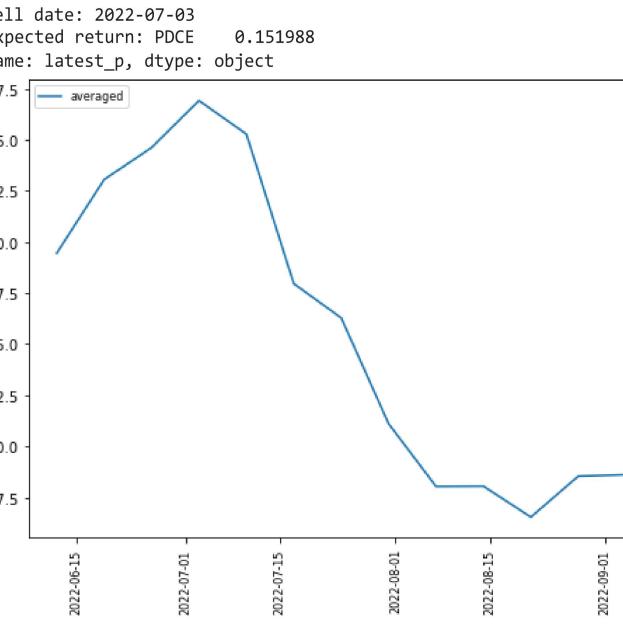
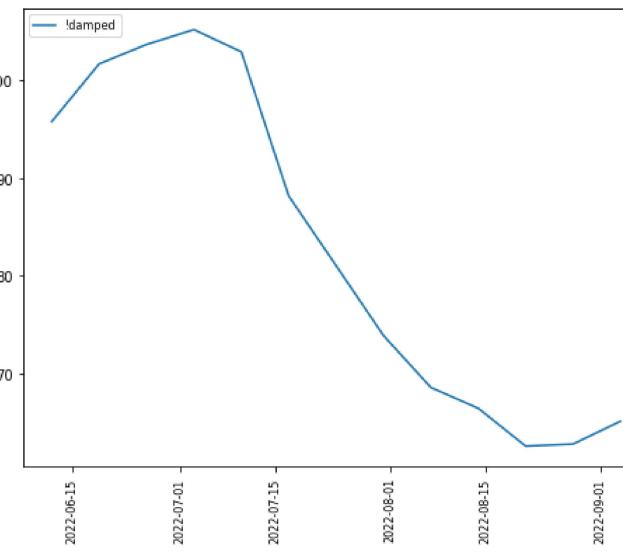
```
2022-06-10 58.883591 74.841111 90.798632
```

	volume_factor	latest_p	vol_30d_2yr	pct_2yr	adf	hurst
PDCE	1.125975	84.129997	26294633.055976	0.935258	0.76826	0.495944

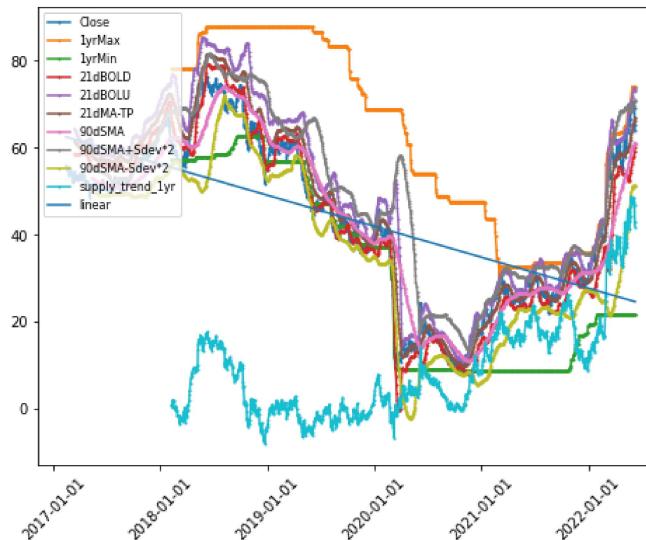
ets next 13 weeks
sell date: 2022-08-28
expected return: PDCE 0.121306
Name: latest_p, dtype: object



sell date: 2022-08-28
expected return: PDCE 0.250076
Name: latest_p, dtype: object



```
2
['options', ('2022-07-15', '2022-12-16')]
OXY
Index: SP500
Sector: Energy
supply trend: 312554843.6459909
risk trend factor: 2.6206123783270985
```



```

beta currentRatio debtToEquity dividendRate dividendYield \
OXY 1.955081      1.156     111.198      0.52      0.0075

ebitda ebitdaMargins forwardPE freeCashflow grossMargins \
OXY 15392000000    0.53054   8.023869   9129875456    0.64697

grossProfits heldPercentInstitutions industry marketCap \
OXY 16297000000    0.82201   Oil & Gas E&P 59858386944

operatingCashflow operatingMargins payoutRatio pegRatio priceToBook \
OXY 12762999808    0.25255   0.0242     0.27     3.952352

priceToSalesTrailing12Months profitMargins quickRatio returnOnAssets \
OXY 2.063229      0.25314   0.844      0.05964

returnOnEquity revenueGrowth revenuePerShare sector sharesOutstanding \
OXY 0.34101       0.577     30.999   Energy      937190976

shortRatio totalCash totalCashPerShare totalDebt totalRevenue \
OXY 1.91        1908999936  2.037    27696001024  29012000768

trailingPE
OXY 9.548512
2022-06-10

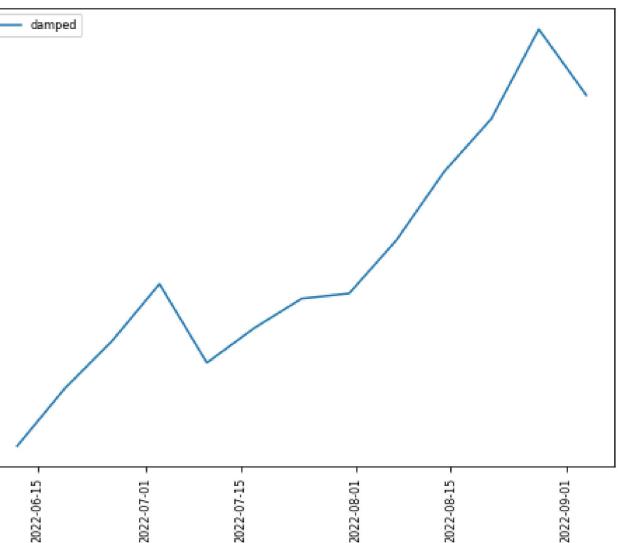
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21dBOLD 21dMA-TP 21dBOLU

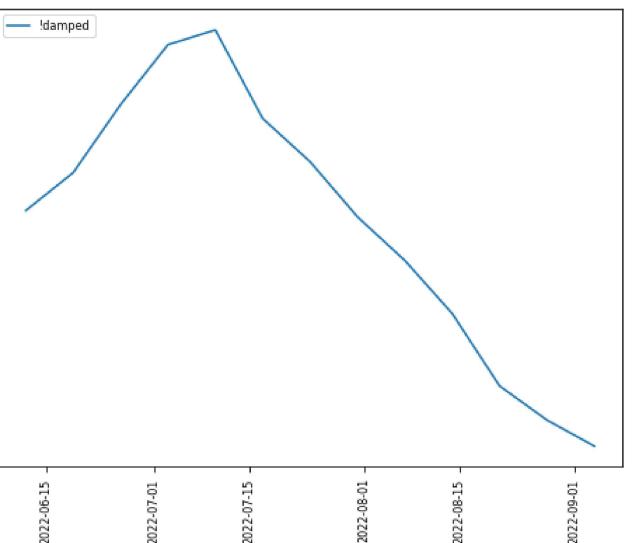
2022-06-10 60.711375 66.862064 73.012753

volume_factor	latest_p	vol_30d_2yr	pct_2yr	adf	hurst	
OXY	1.797943	63.869999	312554843.645991	0.84478	0.777852	0.546207

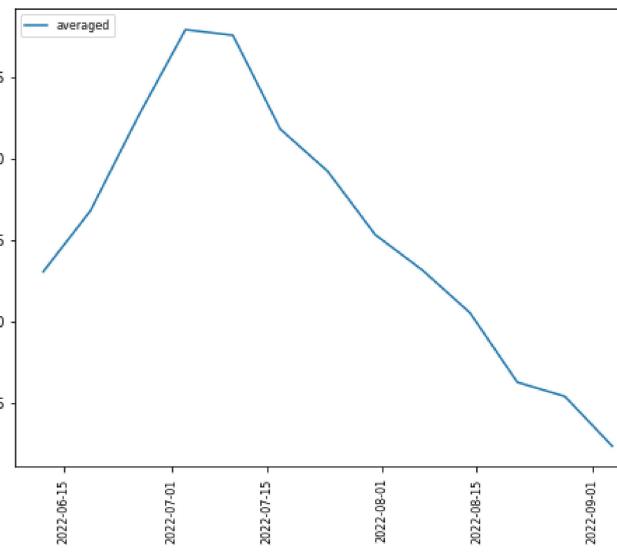
ets next 13 weeks
sell date: 2022-08-28
expected return: OXY 0.36659
Name: latest_p, dtype: object



sell date: 2022-08-28
expected return: OXY 0.561265
Name: latest_p, dtype: object



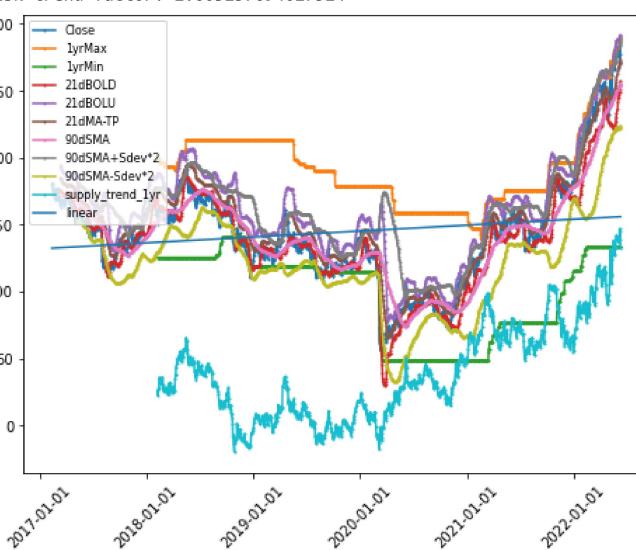
sell date: 2022-07-03
expected return: OXY 0.375963
Name: latest_p, dtype: object



```
4 ['options', ('2022-06-17', '2022-08-19', '2023-01-20', '2024-01-19')]
27
```

```
['sustainability', Value
2022-5
palmOil False
controversialWeapons False
gambling False
socialScore 12.04
nuclear False
furLeather False
alcoholic False
gmo False
catholic False
socialPercentile None
peerCount 66
governanceScore 6.88
environmentPercentile None
animalTesting False
tobacco False
totalEsg 43.53
highestControversy 2
esgPerformance LEAD_PERF
coal False
pesticides False
adult False
percentile 92.95
peerGroup Oil & Gas Producers
smallArms False
environmentScore 24.61
governancePercentile None
militaryContract False]
PXD
```

```
Index: SP500
Sector: Energy
supply trend: 41581229.50075643
risk trend factor: 2.603257694027524
```



```

beta currentRatio debtToEquity dividendRate dividendYield \
PXD 1.535843 1.541 25.456 12.34 0.0433

ebitda ebitdaMargins forwardPE freeCashflow grossMargins \
PXD 9187000320 0.43846 10.46792 2404124928 0.53944

grossProfits heldPercentInstitutions industry marketCap \
PXD 9392000000 0.92193 Oil & Gas E&P 68689747968

operatingCashflow operatingMargins payoutRatio pegRatio priceToBook \
PXD 8265999872 0.31175 0.3288 0.53 2.90227

priceToSalesTrailing12Months profitMargins quickRatio returnOnAssets \
PXD 3.278277 0.2003 1.404 0.12148

returnOnEquity revenueGrowth revenuePerShare sector sharesOutstanding \
PXD 0.20075 1.006 86.852 Energy 241959008

shortRatio totalCash totalCashPerShare totalDebt totalRevenue \
PXD 2.65 3256000000 13.457 6024999936 20952999936

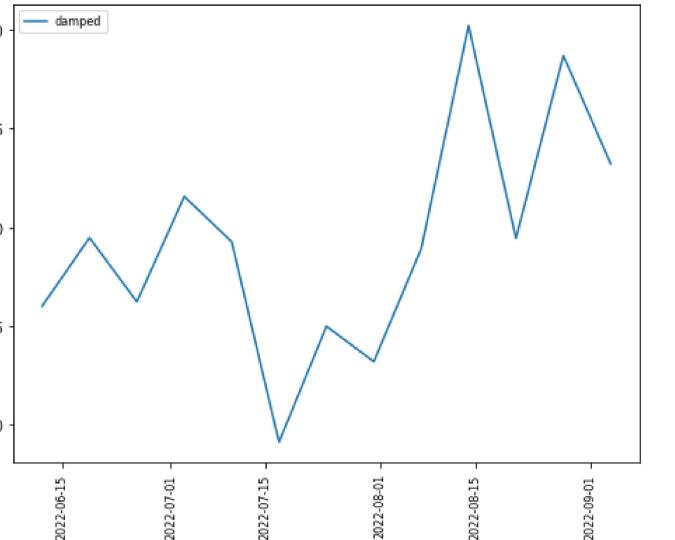
```

21dBOLD 21dMA-TP 21dBOLU

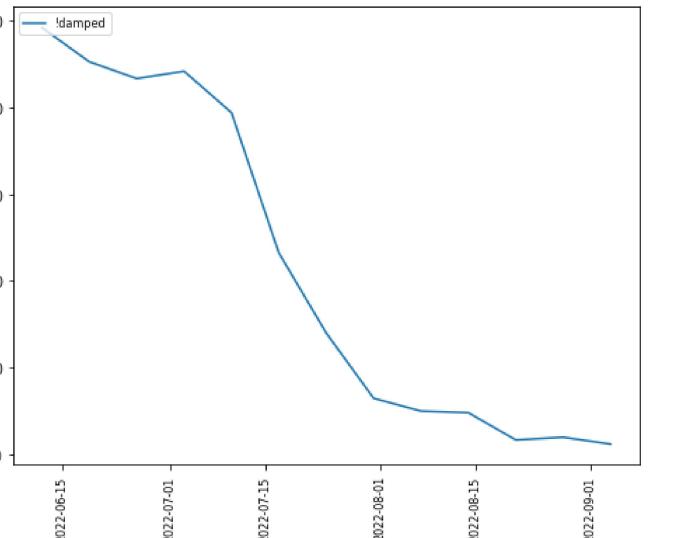
2022-06-10 256.919894 273.316666 289.713438

volume_factor	latest_p	vol_30d_2yr	pct_2yr	adf	hurst	
PXD	1.167952	270.869995	41581229.500756	0.916981	0.935146	0.498349

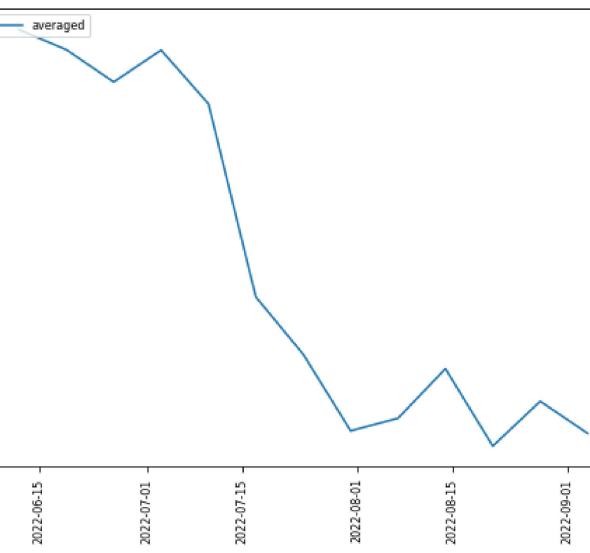
```
ets next 13 weeks
sell date: 2022-08-14
expected return: PXD      0.108285
Name: latest_p, dtype: object
```



```
sell date: 2022-08-14
expected return: PXD      0.02767
Name: latest_p, dtype: object
```



```
sell date: 2022-06-12  
expected return: PXD    0.041772  
Name: latest_p, dtype: object
```



3
['options', ('2022-06-17', '2023-01-20', '2024-01-19')]

27
['sustainability',
2022-5

palmOil	False
controversialWeapons	False
gambling	False
socialScore	8.97
nuclear	False
furLeather	False
alcoholic	False
gmo	False
catholic	False
socialPercentile	None
peerCount	66
governanceScore	9.1
environmentPercentile	None
animalTesting	False
tobacco	False
totalEsg	36.53
highestControversy	1
esgPerformance	OUT_PERF
coal	False
pesticides	False
adult	False
percentile	81.93
peerGroup	Oil & Gas Producers
smallArms	False
environmentScore	18.46
governancePercentile	None
militaryContract	False]

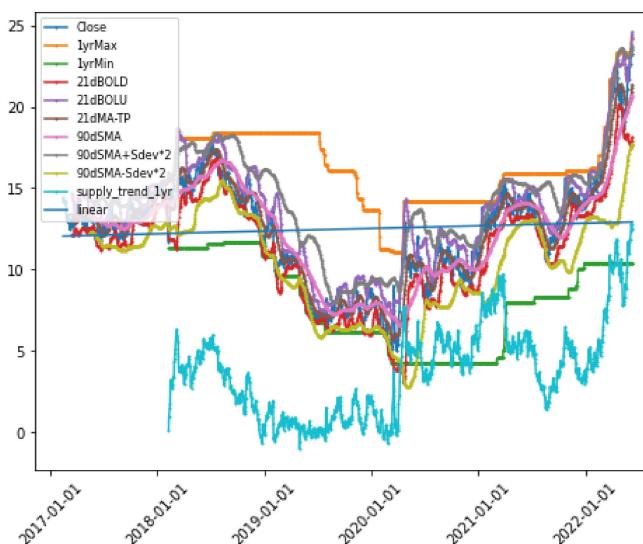
CNX

Index: SP400

Sector: Energy

supply trend: 79583176.67170954

risk trend factor: 2.5762984369029858



```

beta currentRatio debtToEquity      ebitda ebitdaMargins forwardPE \
CNX  1.261343        0.196       88.804 -1381751040      -0.50108 7.664496

freeCashflow grossMargins grossProfits heldPercentInstitutions \
CNX  56837376        0.80006    1866027000          0.97671

industry marketCap operatingCashflow operatingMargins payoutRatio \
CNX Oil & Gas E&P 4589103104           1043104000      -0.68414      0

pegRatio priceToBook priceToSalesTrailing12Months profitMargins \
CNX  0.19        1.786908           1.664207      -0.55108

quickRatio returnOnAssets returnOnEquity revenueGrowth revenuePerShare \
CNX  0.132        -0.14474      -0.42927       0.852      13.072

sector sharesOutstanding shortRatio totalCash totalCashPerShare \
CNX Energy        195032000       9.57 13338000        0.068

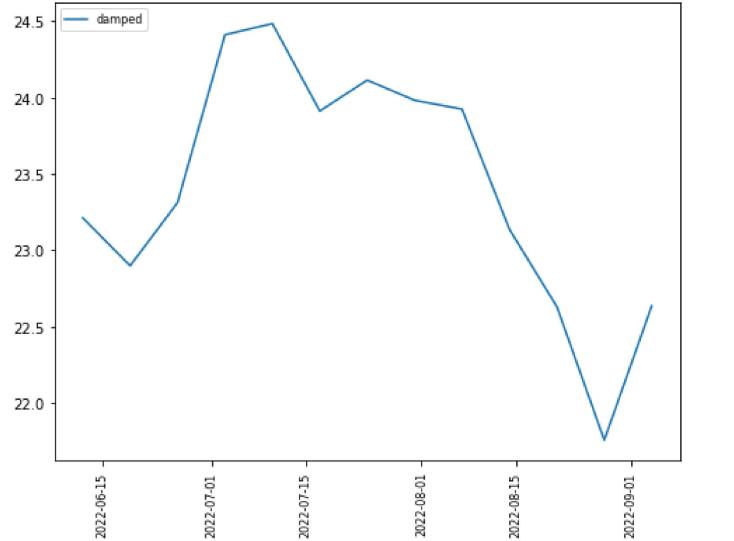
totalDebt totalRevenue
CNX  2281821952    2757531904
2022-06-10

21dBOLD 21dMA-TP 21dBOLU

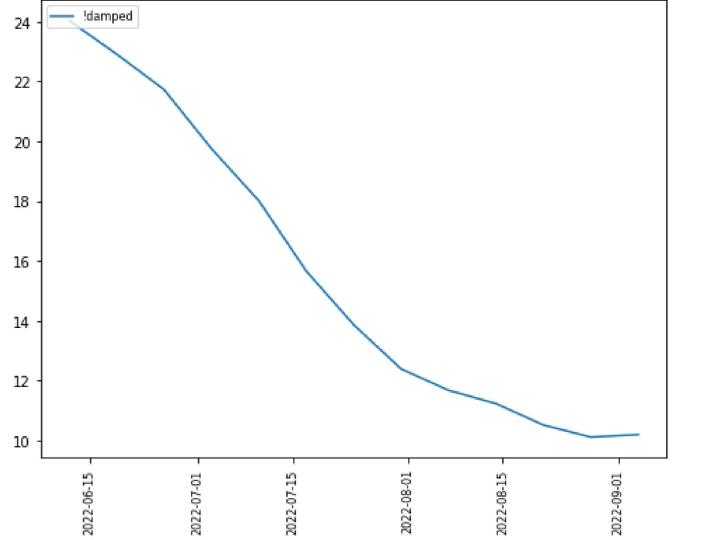
```

ESTABLISHED ESTABLISHED ESTABLISHED

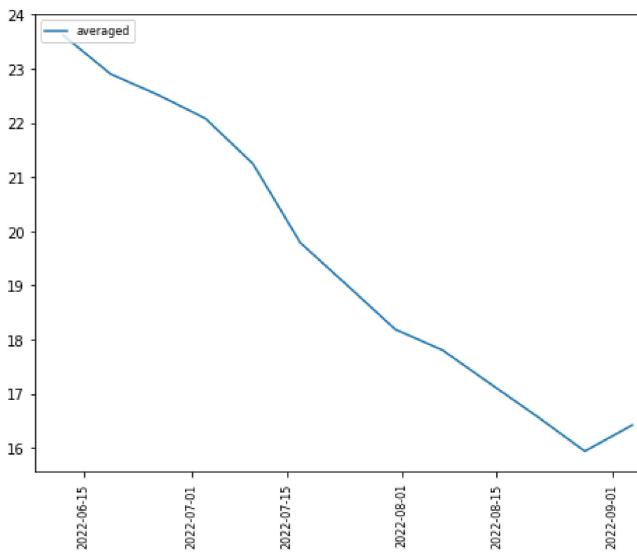
2022-06-10 18.125204 21.358571 24.591938



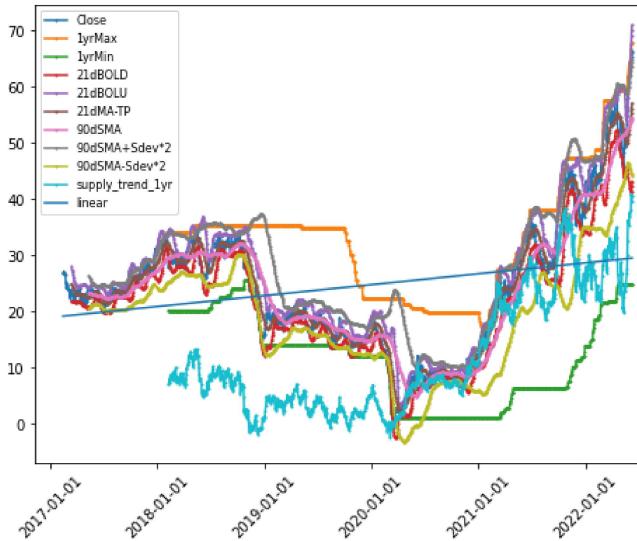
```
sell date: 2022-07-10
expected return: CNX    0.033687
Name: latest_p, dtype: object
```



```
sell date: 2022-06-12
expected return: CNX      0.016244
Name: latest_p, dtype: object
```



```
2
['options', ('2022-07-15', '2023-01-20')]
MTDR
Index: SP400
Sector: Energy
supply trend: 50876450.52950076
risk trend factor: 2.5519542477276707
```



```
beta currentRatio debtToEquity dividendRate dividendYield \
MTDR 4.053921 0.997 64.085 0.2 0.0044

earningsGrowth ebitda ebitdaMargins forwardPE freeCashflow \
MTDR 2.392 1377725952 0.66904 10.304898 33695376

grossMargins grossProfits heldPercentInstitutions industry \
MTDR 0.84283 1462239000 0.93761 Oil & Gas E&P

marketCap operatingCashflow operatingMargins payoutRatio pegRatio \
MTDR 7653827584 1212914048 0.49033 0.0245 0.42

priceToBook priceToSalesTrailing12Months profitMargins quickRatio \
MTDR 4.525147 3.716796 0.3552 0.801

returnOnAssets returnOnEquity revenueGrowth revenuePerShare sector \
MTDR 0.15195 0.40598 0.973 17.558 Energy

sharesOutstanding shortRatio totalCash totalCashPerShare totalDebt \
MTDR 117336000 2.66 63001000 0.534 1497975040

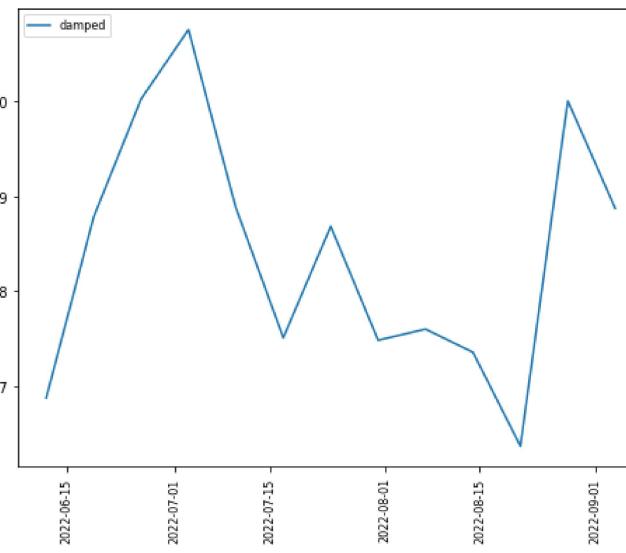
totalRevenue trailingPE
MTDR 2059254016 27.407562
2022-06-10
```

21dBOLD 21dMA-TP 21dBOLU

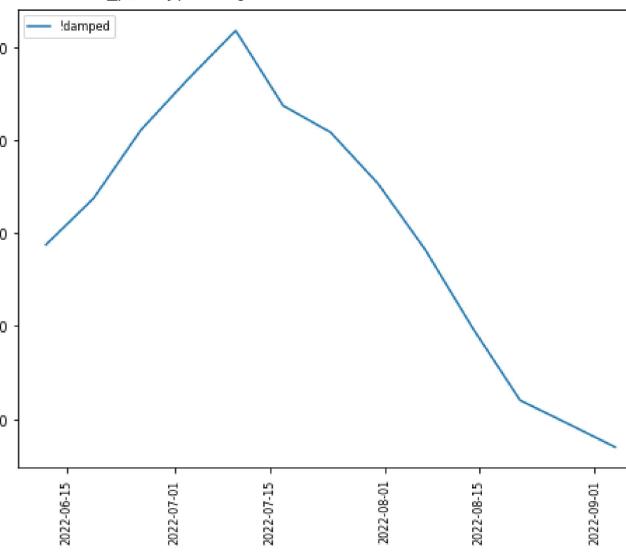
```
2022-06-10 43.121122 57.022299 70.923475
```

	volume_factor	latest_p	vol_30d_2yr	pct_2yr	adf	hurst
MTDR	0.613531	65.230003	50876450.529501	0.95853	0.987482	0.46805

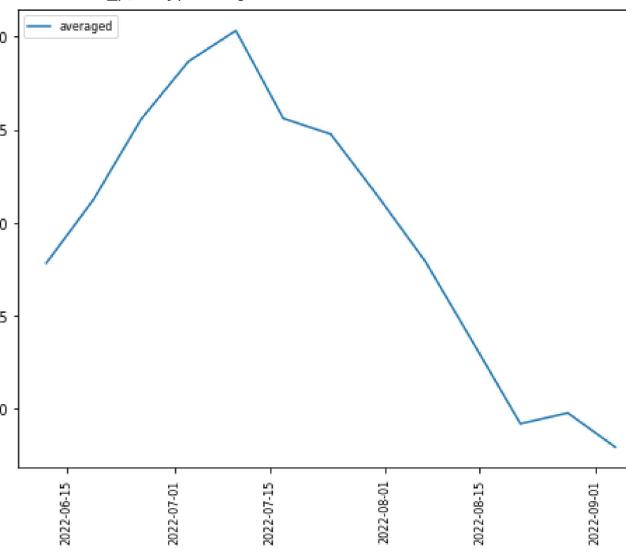
```
ets next 13 weeks
sell date: 2022-07-03
expected return: MTDR 0.08474
Name: latest_p, dtype: object
```



sell date: 2022-07-03
expected return: MTDR 0.406623
Name: latest_p, dtype: object



sell date: 2022-07-10
expected return: MTDR 0.231277
Name: latest_p, dtype: object



22						
	'quarterly_balance_sheet',		2022-03-31	2021-12-31	2021-09-30	\
Capital Surplus	2.087788e+09	2.077592e+09	2.069484e+09			
Total Liab	2.229864e+09	2.134765e+09	2.077593e+09			
Total Stockholder Equity	2.118600e+09	1.907210e+09	1.688007e+09			
Minority Interest	2.188640e+08	2.201780e+08	2.198930e+08			
Other Current Liab	3.095620e+08	2.075790e+08	2.648190e+08			
Total Assets	4.567328e+09	4.262153e+09	3.985493e+09			
Common Stock	1.181000e+06	1.179000e+06	1.172000e+06			
Other Current Assets	5.734600e+07	4.075600e+07	3.782000e+07			
Retained Earnings	2.994000e+07	-1.713180e+08	-3.802680e+08			
Other Liab	1.939550e+08	1.269630e+08	6.975800e+07			
Treasury Stock	-3.090000e+05	-2.430000e+05	-2.381000e+06			
Other Assets	3.542400e+07	4.644000e+06	5.268400e+07			
Cash	6.300100e+07	4.813500e+07	7.312800e+07			
Total Current Liabilities	5.379340e+08	4.648370e+08	4.727520e+08			
Property Plant Equipment	3.995641e+09	3.886204e+09	3.536181e+09			
Total Current Assets	5.362630e+08	3.713050e+08	3.966280e+08			
Net Tangible Assets	2.118600e+09	1.907210e+09	1.688007e+09			
Net Receivables	3.676440e+08	2.414160e+08	2.483540e+08			
Long Term Debt	1.497975e+09	1.527580e+09	1.519684e+09			
Inventory	1.245600e+07	1.218800e+07	1.213700e+07			
Accounts Payable	3.397300e+07	2.625600e+07	3.340200e+07			
Deferred Long Term Asset Charges	NaN	NaN	1.387800e+07			
	2021-06-30					
Capital Surplus	2.061815e+09					
Total Liab	2.132423e+09					
Total Stockholder Equity	1.479762e+09					
Minority Interest	2.223640e+08					
Other Current Liab	2.386310e+08					
Total Assets	3.834549e+09					
Common Stock	1.171000e+06					
Other Current Assets	4.074700e+07					
Retained Earnings	-5.809810e+08					
Other Liab	5.910300e+07					
Treasury Stock	-2.243000e+06					
Other Assets	3.889100e+07					
Cash	4.463200e+07					
Total Current Liabilities	4.225800e+08					
Property Plant Equipment	3.462030e+09					
Total Current Assets	3.336280e+08					
Net Tangible Assets	1.479762e+09					
Net Receivables	2.160330e+08					
Long Term Debt	1.634289e+09					
Inventory	1.165700e+07					
Accounts Payable	1.357300e+07					
Deferred Long Term Asset Charges	NaN]				
17						
	'quarterly_cashflow',		2022-03-31	2021-12-31	\	
Change To Liabilities	-5668000.0	16272000.0				
Total Cashflows From Investing Activities	-251896000.0	-345587000.0				
Net Borrowings	-30000000.0	7500000.0				
Total Cash From Financing Activities	-43821000.0	-9813000.0				
Change To Operating Activities	-8248000.0	4778000.0				
Net Income	207124000.0	214790000.0				
Change In Cash	33237000.0	-20871000.0				
Repurchase Of Stock	-12184000.0	-4050000.0				
Total Cash From Operating Activities	328954000.0	334529000.0				
Depreciation	96396000.0	90076000.0				
Dividends Paid	-5866000.0	-5840000.0				
Change To Inventory	-78000.0	-358000.0				
Change To Account Receivables	-125345000.0	12765000.0				
Other Cashflows From Financing Activities	4229000.0	-8545000.0				
Change To Netincome	148421000.0	-5010000.0				
Capital Expenditures	-263807000.0	-345587000.0				
Issuance Of Stock	NaN	1122000.0				
	2021-09-30	2021-06-30				
Change To Liabilities	26274000.0	25785000.0				
Total Cashflows From Investing Activities	-132556000.0	-142227000.0				
Net Borrowings	-115000000.0	-81500000.0				
Total Cash From Financing Activities	-130092000.0	-85022000.0				
Change To Operating Activities	2123000.0	7519000.0				
Net Income	203628000.0	105905000.0				
Change In Cash	28583000.0	30951000.0				
Repurchase Of Stock	-1277000.0	-1163000.0				
Total Cash From Operating Activities	291231000.0	258200000.0				
Depreciation	89579000.0	91955000.0				
Dividends Paid	-2915000.0	-2913000.0				
Change To Inventory	-742000.0	-549000.0				
Change To Account Receivables	-32321000.0	-39220000.0				
Other Cashflows From Financing Activities	-11113000.0	554000.0				
Change To Netincome	1902000.0	65874000.0				
Capital Expenditures	-136475000.0	-142243000.0				
Issuance Of Stock	213000.0	213000.0]			
4						
	'quarterly_earnings',	Revenue	Earnings			
Quarter						
2Q2021	388042000	105905000				
3Q2021	485921000	203628000				
4Q2021	522131000	214790000				

1Q2022 614460000 207124000]

22

```
['quarterly_financials',
Research Development      None   None   None
Effect Of Accounting Charges None   None   None
Income Before Tax         292713000.0 304467000.0 211361000.0
Minority Interest          218864000.0 220178000.0 219893000.0
Net Income                 207124000.0 214790000.0 203628000.0
Selling General Administrative 29733000.0 51878000.0 24633000.0
Gross Profit                532904000.0 463048000.0 392768000.0
Ebit                         309387000.0 325121000.0 230186000.0
Operating Income             309387000.0 325121000.0 230186000.0
Other Operating Expenses     98011000.0 -3488000.0 48888000.0
Interest Expense              -16252000.0 -19108000.0 -17989000.0
Extraordinary Items           None   None   None
Non Recurring                  None   None   None
Other Items                     None   None   None
Income Tax Expense             68528000.0 73222000.0 -6701000.0
Total Revenue                 614460000.0 522131000.0 485921000.0
Total Operating Expenses       305153000.0 197010000.0 255735000.0
Cost Of Revenue                81556000.0 59083000.0 93153000.0
Total Other Income Expense Net -16594000.0 -20654000.0 -18825000.0
Discontinued Operations        None   None   None
Net Income From Continuing Ops 224185000.0 231245000.0 218062000.0
Net Income Applicable To Common Shares 207124000.0 214790000.0 203628000.0
```

2021-06-30

```
Research Development          None
Effect Of Accounting Charges None
Income Before Tax            127180000.0
Minority Interest             222364000.0
Net Income                   105905000.0
Selling General Administrative 24397000.0
Gross Profit                  346873000.0
Ebit                          145106000.0
Operating Income               145106000.0
Other Operating Expenses       85926000.0
Interest Expense                -17940000.0
Extraordinary Items            None
Non Recurring                  None
Other Items                     None
Income Tax Expense              5349000.0
Total Revenue                 388042000.0
Total Operating Expenses       242936000.0
Cost Of Revenue                41169000.0
Total Other Income Expense Net -17926000.0
Discontinued Operations        None
Net Income From Continuing Ops 121831000.0
Net Income Applicable To Common Shares 105905000.0 ]
```

10

```
['mutualfund_holders',
Holder Shares Date Reported \
0 iShares Core S&P Smallcap ETF 7759051 2022-01-30
1 Vanguard Total Stock Market Index Fund 3003516 2021-12-30
2 Vanguard Small-Cap Index Fund 2658743 2021-12-30
3 iShares Russell 2000 ETF 2526278 2022-01-30
4 SPDR (R) Ser Tr-SPDR (R) S&P (R) Oil & Gas Exp... 2255808 2022-01-30
5 Price (T.Rowe) Small-Cap Value Fund 2233160 2021-12-30
6 DFA U.S. Small Cap Value Series 2183508 2022-01-30
7 Vanguard Small-Cap Growth Index Fund 1654888 2021-12-30
8 AB Cap Fd.-AB Small Cap Growth Port 1624213 2022-01-30
9 Vanguard Extended Market Index Fund 1457386 2021-12-30
```

```
% Out    Value
0 0.0657  347372713
1 0.0254  110889810
2 0.0225  98160791
3 0.0214  113101466
4 0.0191  100992524
5 0.0189  82448267
6 0.0185  97755653
7 0.0140  61098464
8 0.0137  72716016
9 0.0123  53806691 ]
```

3
['options', ('2022-06-17', '2022-07-15', '2023-01-20')]

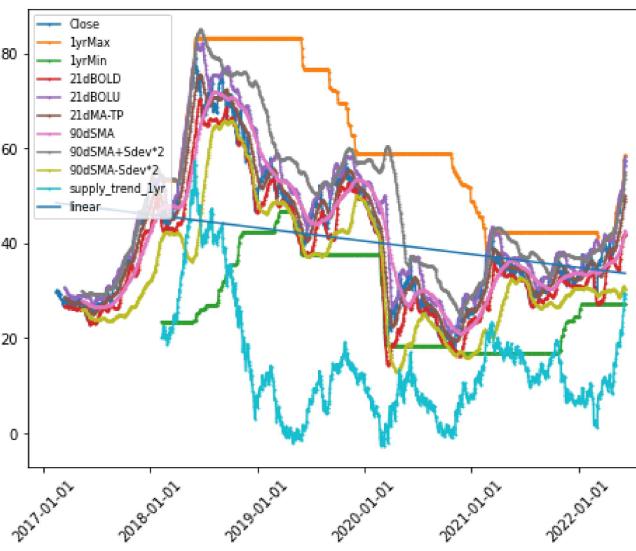
DINO

Index: SP400

Sector: Energy

Supply trend: 51935930.33282904

Risk trend factor: 2.525423827441188



```
beta currentRatio debtToEquity dividendRate dividendYield \
DINO 1.54401      1.728     43.018      1.6      0.0278
```

```
earningsGrowth      ebitda ebitdaMargins forwardPE freeCashflow \
DINO      0 1260462976      0.05641 10.206038 -1079519232
```

```
grossMargins grossProfits heldPercentInstitutions \
DINO 0.0784 1615735000      0.62669
```

```
industry marketCap operatingCashflow \
DINO Oil & Gas Refining & Marketing 12826910720      805392000
```

```
operatingMargins payoutRatio pegRatio priceToBook \
DINO 0.03909      0.1032      0.35      1.580395
```

```
priceToSalesTrailing12Months profitMargins quickRatio returnOnAssets \
DINO 0.574075      0.02551      0.791      0.03679
```

```
returnOnEquity revenueGrowth revenuePerShare sector sharesOutstanding \
DINO 0.09048      1.128      134.828 Energy      223232000
```

```
shortRatio totalCash totalCashPerShare totalDebt totalRevenue \
DINO 3.27 592278016      2.653 3818710016 22343598080
```

```
trailingPE
DINO 16.929876
```

2022-06-10

21dBOLD 21dMA-TP 21dBOLU

```
2022-06-10 41.96407 50.064286 58.164501
```

volume_factor	latest_p	vol_30d_2yr	pct_2yr	adf	hurst
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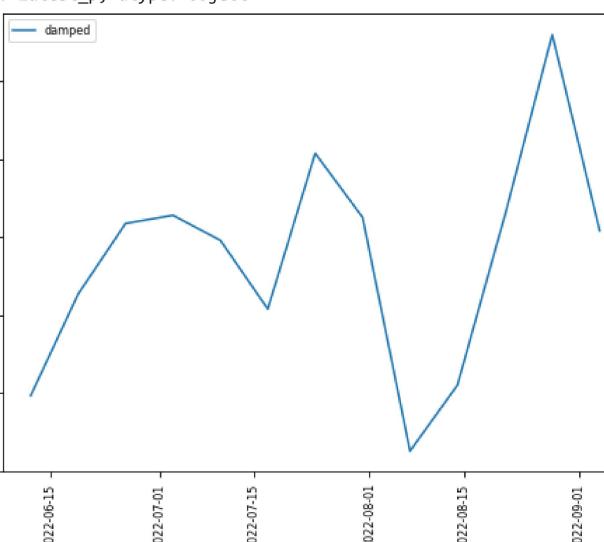
```
DINO 0.964968 56.369999 51935930.332829 0.948909 0.412505 0.562704
```

ets next 13 weeks

sell date: 2022-08-28

expected return: DINO -0.036768

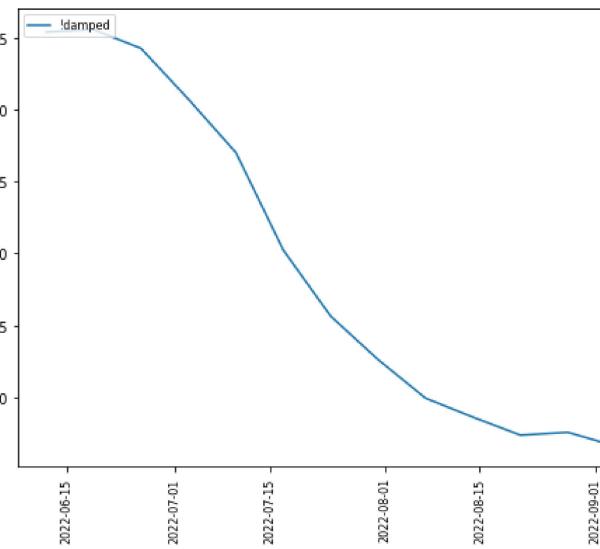
Name: latest_p, dtype: object



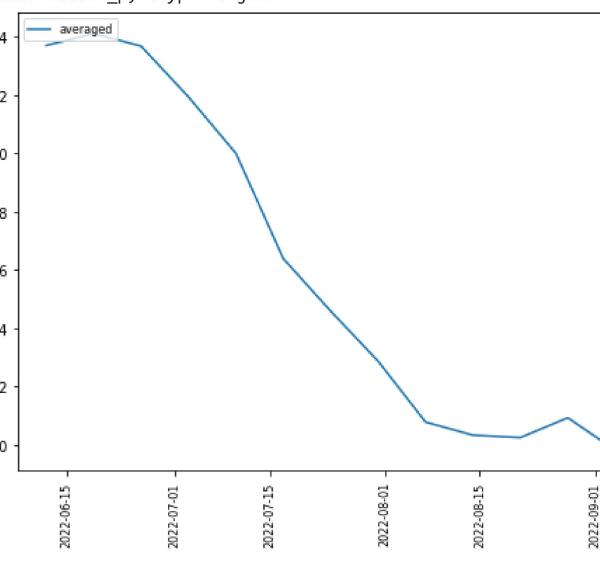
sell date: 2022-08-28

expected return: DINO -0.014115

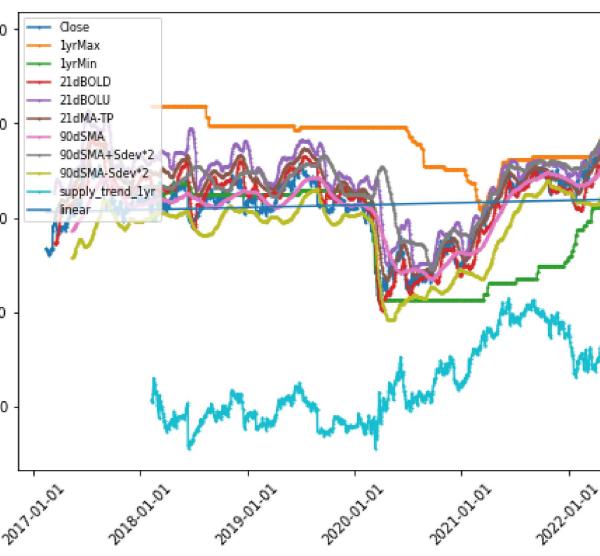
Name: latest_p, dtype: object



sell date: 2022-06-19
 expected return: DINO -0.040188
 Name: latest_p, dtype: object



HRB
 Index: SP400
 Sector: Consumer Cyclical
 supply trend: 61640658.16944024
 risk trend factor: 2.3710165833660994



```

beta currentRatio debtToEquity dividendRate dividendYield \
HRB 0.695099      1.103     5314.905      1.08      0.0298

earningsGrowth     ebitda ebitdaMargins forwardPE grossMargins \
HRB -0.008    806428032     0.30238     9.67663     0.472

grossProfits heldPercentInstitutions      industry marketCap \
HRB 1400058000      0.93154 Personal Services 5683142656

operatingCashflow operatingMargins payoutRatio pegRatio priceToBook \
HRB      80728000      0.25066      0.3344      1.05   126.72598

priceToSalesTrailing12Months profitMargins quickRatio revenueGrowth \
HRB      2.130946      0.16063      0.971       0.039

revenuePerShare      sector sharesOutstanding shortRatio \
HRB      15.645 Consumer Cyclical 159594000      4.71

totalCash totalCashPerShare      totalDebt totalRevenue trailingPE
HRB 1041740032      6.527    2384054016    2666958080 14.570376
2022-06-10

```

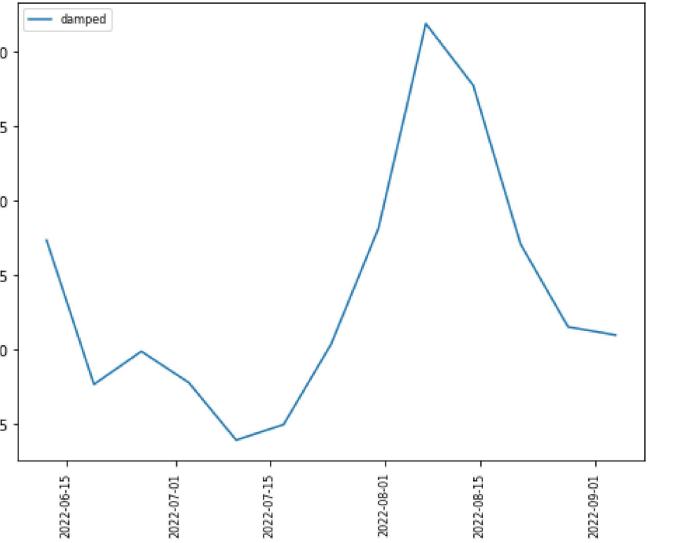
21dBOLD 21dMA-TP 21dBOLU

2022-06-10 30.968201 34.265079 37.561958

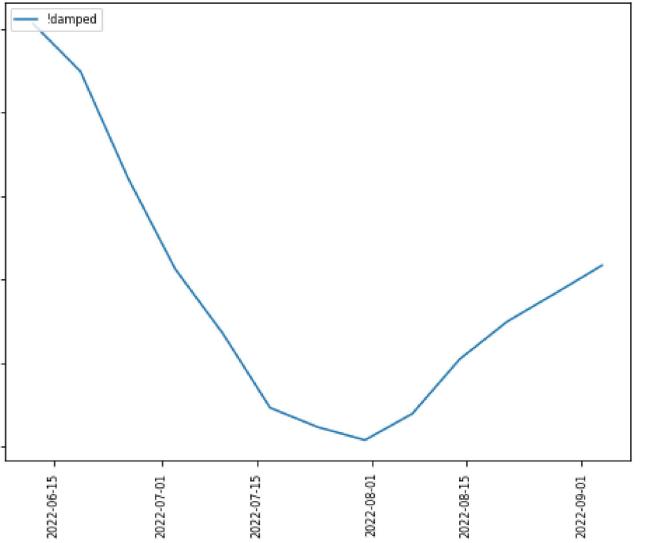
volume_factor	latest_p	vol_30d_2yr	pct_2yr	adf	hurst
---------------	----------	-------------	---------	-----	-------

HRB	1.155552	35.450001	61640658.16944	0.941968	0.838883	0.43511
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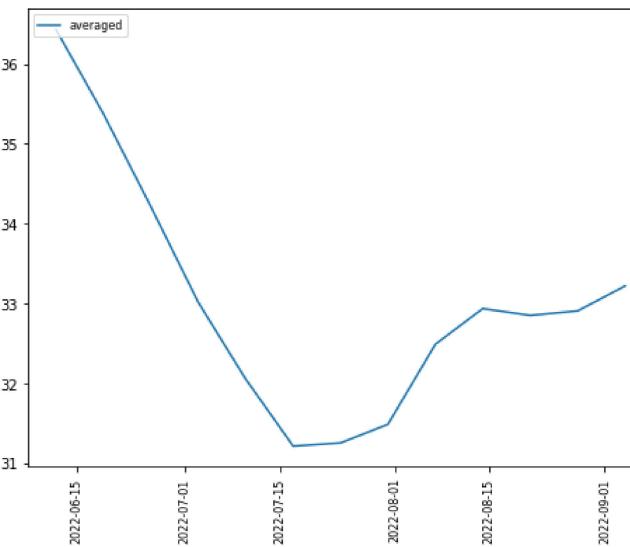
ets next 13 weeks
sell date: 2022-08-07
expected return: HRB 0.020891
Name: latest_p, dtype: object



sell date: 2022-08-07
expected return: HRB 0.075473
Name: latest_p, dtype: object



sell date: 2022-06-12
expected return: HRB 0.02766
Name: latest_p, dtype: object



```
[3
['options', ('2022-07-15', '2023-01-20', '2024-01-19')]
```

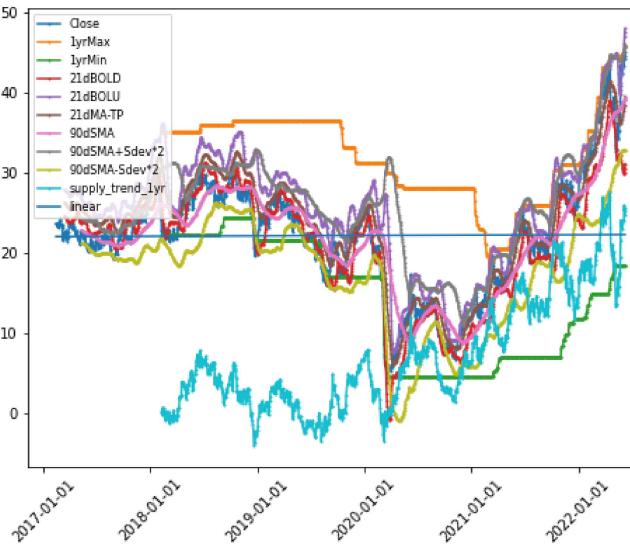
MUR

Index: SP400

Sector: Energy

supply trend: 60623530.18154312

risk trend factor: 2.3198869089480696



```
beta currentRatio debtToEquity dividendRate dividendYield ebitda \
MUR 2.55625 0.6 80.704 0.7 0.0161 1488126976
```

```
ebitdaMargins forwardPE freeCashflow grossMargins grossProfits \
MUR 0.48315 5.593307 1159256320 0.81723 2271014000
```

```
heldPercentInstitutions industry marketCap operatingCashflow \
MUR 0.83585 Oil & Gas E&P 6752466944 1522727040
```

```
operatingMargins payoutRatio pegRatio priceToBook \
MUR 0.21109 0.7836 0.18 1.674372
```

```
priceToSalesTrailing12Months profitMargins quickRatio returnOnAssets \
MUR 2.192315 0.03261 0.533 0.03902
```

```
returnOnEquity revenueGrowth revenuePerShare sector sharesOutstanding \
MUR 0.06042 0.471 19.932 Energy 155372000
```

```
shortRatio totalCash totalCashPerShare totalDebt totalRevenue \
MUR 4.37 480587008 3.093 3393031936 3080061952
```

```
trailingPE
MUR 66.96456
2022-06-10
```

21dBOLD 21dMA-TP 21dBOLDU

2022-06-10 31.102213 39.549445 47.996677

volume_factor	latest_p	vol_30d_2yr	pct_2yr	adf	hurst
---------------	----------	-------------	---------	-----	-------

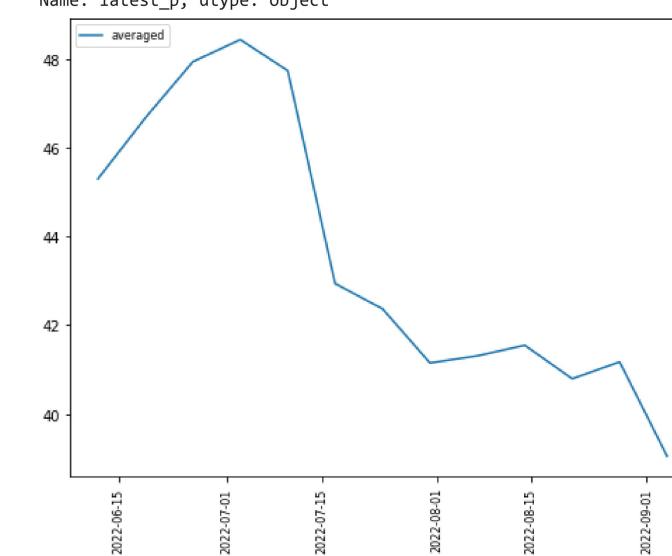
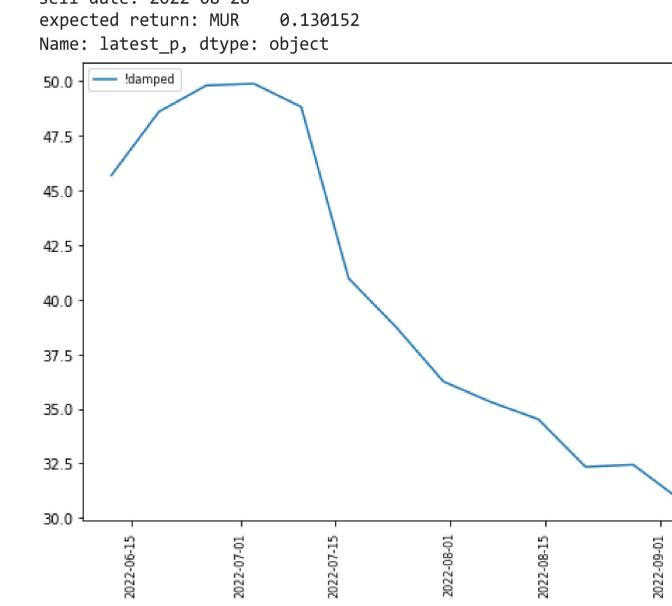
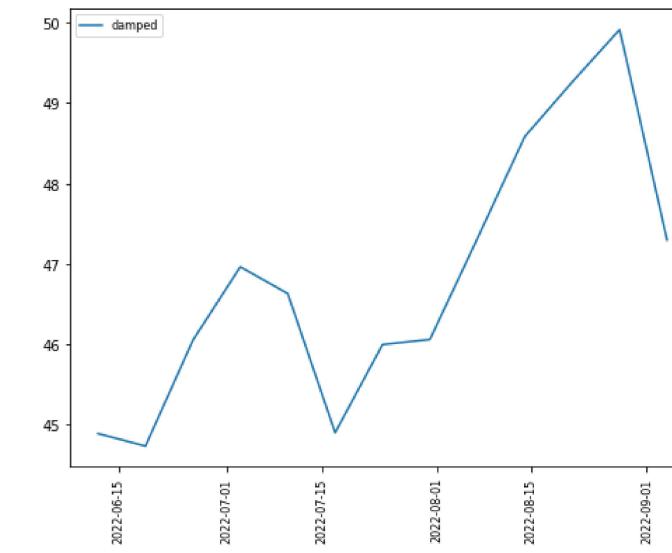
MUR	0.567049	44.150002	60623530.181543	0.957721	0.869435	0.455651
-----	----------	-----------	-----------------	----------	----------	----------

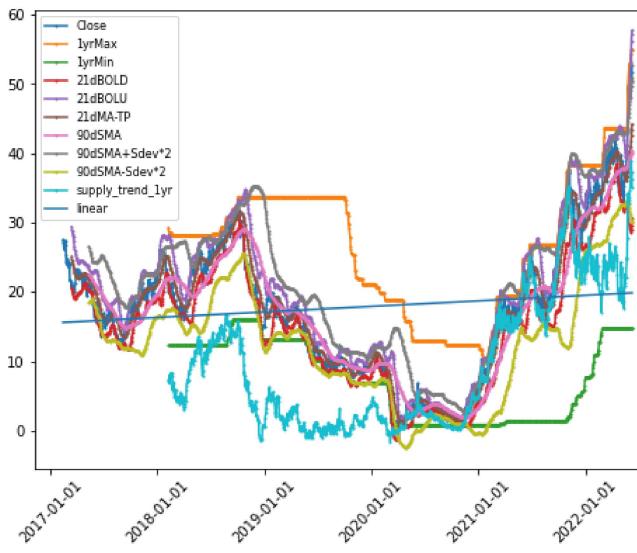
ets next 13 weeks

sell date: 2022-08-28

expected return: MUR 0.130539

Name: latest_p, dtype: object





```
beta currentRatio debtToEquity dividendRate dividendYield      ebitda \
SM  5.488235    0.717    93.916     0.02     0.0006  1315937024
```

```
ebitdaMargins forwardPE freeCashflow grossMargins grossProfits \
SM      0.45427   10.711865  570353344     0.8671  2136878000
```

```
heldPercentInstitutions industry marketCap operatingCashflow \
SM      0.88028 Oil & Gas E&P  6141725696    1396240000
```

```
operatingMargins payoutRatio pegRatio priceToBook \
SM      0.18012     0.007     0.12    3.752134
```

```
priceToSalesTrailing12Months profitMargins quickRatio returnOnAssets \
SM      2.120158    0.11608     0.7     0.06264
```

```
returnOnEquity revenueGrowth revenuePerShare sector sharesOutstanding \
SM      0.17312     0.931     23.974 Energy    121474000
```

```
shortRatio totalCash totalCashPerShare totalDebt totalRevenue
SM      2.26  419887008     3.446  1986428032  2896824064
```

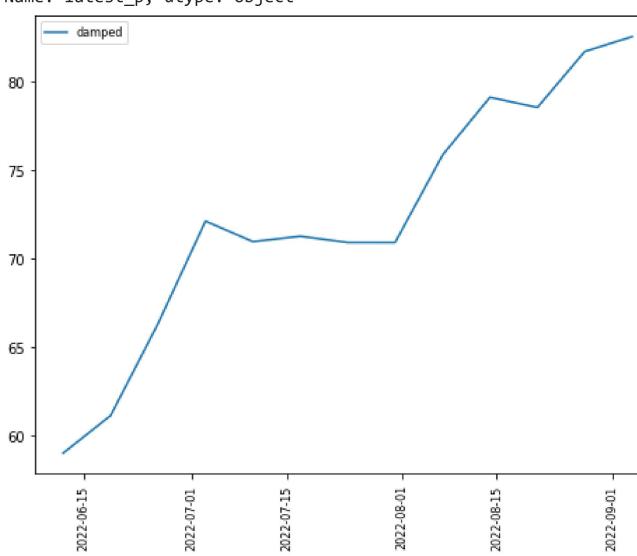
2022-06-10

21dBOLD 21dMA-TP 21dBOLU

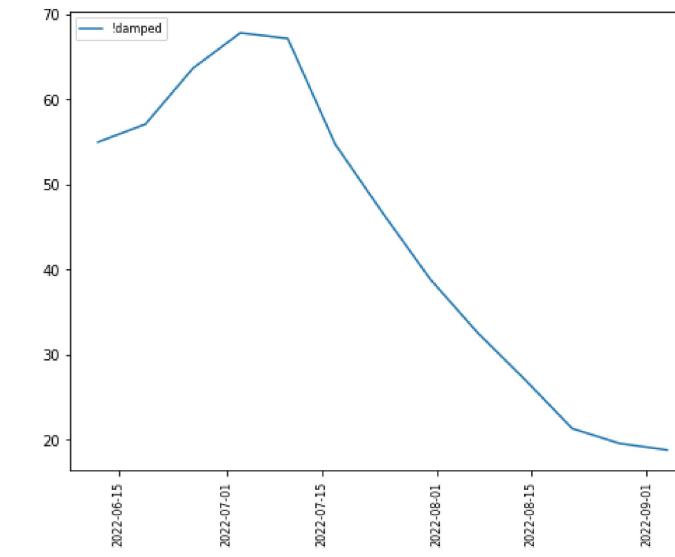
2022-06-10 30.683761 44.192381 57.701002

	volume_factor	latest_p	vol_30d_2yr	pct_2yr	adf	hurst
SM	0.612742	50.560001	82761362.102874	0.91777	0.976245	0.479096

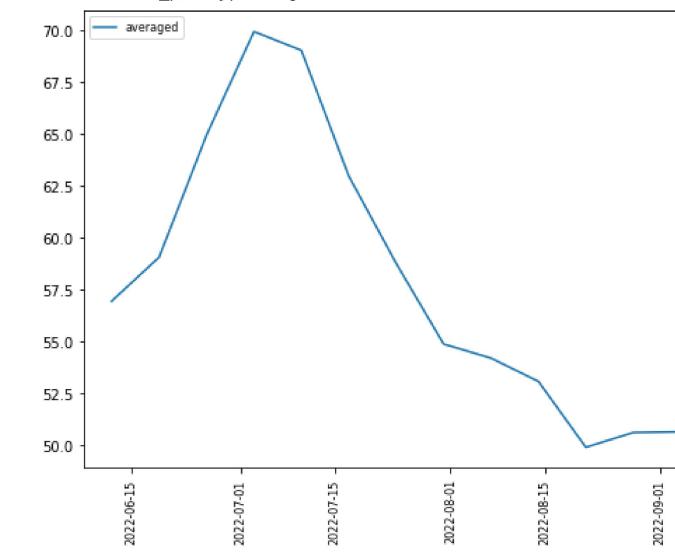
ets next 13 weeks
sell date: 2022-09-04
expected return: SM 0.633043
Name: latest_p, dtype: object



sell date: 2022-09-04
expected return: SM 0.340482
Name: latest_p, dtype: object



sell date: 2022-07-03
expected return: SM 0.383431
Name: latest_p, dtype: object



```

21
['quarterly_balance_sheet', 2022-03-31 2021-12-31 2021-09-30 \
Capital Surplus 1.844478e+09 1.840228e+09 1.838620e+09
Total Liab 3.280672e+09 3.170846e+09 3.425061e+09
Total Stockholder Equity 2.115109e+09 2.063131e+09 1.636899e+09
Deferred Long Term Liab 2.300000e+06 2.700000e+06 3.100000e+06
Other Current Liab 5.381270e+08 4.047460e+08 5.520440e+08
Total Assets 5.395781e+09 5.233977e+09 5.061960e+09
Common Stock 1.219000e+06 1.219000e+06 1.215000e+06
Other Current Assets 9.649000e+06 2.409500e+07 2.451400e+07
Retained Earnings 2.828790e+08 2.345330e+08 -1.903670e+08
Other Liab 2.415590e+08 1.809150e+08 2.438640e+08
Treasury Stock -1.266700e+07 -1.284900e+07 -1.256900e+07
Other Assets 5.397300e+07 2.576600e+07 6.020700e+07
Cash 4.198870e+08 3.327160e+08 2.980000e+07
Total Current Liabilities 1.058721e+09 8.893270e+08 1.103567e+09
Other Stockholder Equity -1.266700e+07 -1.284900e+07 -1.256900e+07
Property Plant Equipment 4.582973e+09 4.595024e+09 4.665483e+09
Total Current Assets 7.588350e+08 6.131870e+08 3.362700e+08
Net Tangible Assets 2.115109e+09 2.063131e+09 1.636899e+09
Net Receivables 3.210760e+08 2.472010e+08 2.722480e+08
Long Term Debt 1.980392e+09 2.081164e+09 2.077630e+09
Accounts Payable 5.145580e+08 2.507200e+07 5.424740e+08

2021-06-30
Capital Surplus 1.838859e+09
Total Liab 3.500489e+09
Total Stockholder Equity 1.552509e+09
Deferred Long Term Liab 3.500000e+06
Other Current Liab 5.450620e+08
Total Assets 5.052998e+09
Common Stock 1.210000e+06
Other Current Assets 3.130300e+07
Retained Earnings -2.747450e+08
Other Liab 2.566960e+08
Treasury Stock -1.281500e+07
Other Assets 6.877900e+07
Cash NaN
Total Current Liabilities 1.051668e+09
Other Stockholder Equity -1.281500e+07
Property Plant Equipment 4.714809e+09
Total Current Assets 2.694100e+08
Net Tangible Assets 1.552509e+09
Net Receivables 2.295120e+08
Long Term Debt 2.192125e+09
Accounts Payable 4.962850e+08 ]
```

16

```

['quarterly_cashflow', 2022-03-31 2021-12-31 \
Change To Liabilities 0.0 21823800.0
Total Cashflows From Investing Activities -150127000.0 -122484000.0
Net Borrowings -104770000.0 -104770000.0
Total Cash From Financing Activities -104794000.0 -4230000.0
Change To Operating Activities -137962000.0 -51950000.0
Net Income 48764000.0 424900000.0
Change In Cash 87171000.0 302916000.0
Total Cash From Operating Activities 342092000.0 429630000.0
Depreciation 160481000.0 208761000.0
Other Cashflows From Financing Activities -24000.0 -4339000.0
Change To Netincome 266799000.0 -273197000.0
Capital Expenditures -150127000.0 -124576000.0
Issuance Of Stock NaN 1324000.0
Dividends Paid NaN -1215000.0
Change To Account Receivables NaN -101047000.0
Other Cashflows From Investing Activities NaN NaN
```

2021-09-30 2021-06-30

```

Change To Liabilities 0.0 0.0
Total Cashflows From Investing Activities -174795000.0 -222322000.0
Net Borrowings -118792000.0 -74213000.0
Total Cash From Financing Activities -123524000.0 -74077000.0
Change To Operating Activities 21078000.0 82529000.0
Net Income 85593000.0 -222995000.0
Change In Cash 29800000.0 29800000.0
Total Cash From Operating Activities 328119000.0 296399000.0
Depreciation 211451000.0 213464000.0
Other Cashflows From Financing Activities -4732000.0 -1000.0
Change To Netincome 6092000.0 218679000.0
Capital Expenditures -183409000.0 -222614000.0
Issuance Of Stock 1324000.0 1315000.0
Dividends Paid -1215000.0 -1178000.0
Change To Account Receivables -101047000.0 -101047000.0
Other Cashflows From Investing Activities -221000.0 292000.0 ]
```

4

```

['quarterly_earnings', Revenue Earnings
Quarter
2Q2021 538649000 -222995000
3Q2021 724539000 85593000
4Q2021 814260000 424900000
1Q2022 819376000 48764000]
```

22

```

['quarterly_financials', 2022-03-31 2021-12-31 2021-09-30 \
Research Development None None None
```

Effect Of Accounting Charges	None	None	None
Income Before Tax	61625000.0	434933000.0	85554000.0
Minority Interest	None	None	None
Net Income	48764000.0	42490000.0	85593000.0
Selling General Administrative	24996000.0	37062000.0	25530000.0
Gross Profit	723085000.0	714875000.0	629894000.0
Ebit	101736000.0	474411000.0	126257000.0
Operating Income	101736000.0	474411000.0	126257000.0
Other Operating Expenses	426826000.0	-17909000.0	257947000.0
Interest Expense	-39387000.0	-40085000.0	-40861000.0
Extraordinary Items	None	None	None
Non Recurring	None	None	None
Other Items	None	None	None
Income Tax Expense	12861000.0	10033000.0	-39000.0
Total Revenue	819376000.0	814260000.0	724539000.0
Total Operating Expenses	717640000.0	339849000.0	598282000.0
Cost Of Revenue	96291000.0	99385000.0	94645000.0
Total Other Income Expense Net	-40111000.0	-39478000.0	-40703000.0
Discontinued Operations	None	None	None
Net Income From Continuing Ops	48764000.0	42490000.0	85593000.0
Net Income Applicable To Common Shares	48764000.0	42490000.0	85593000.0

2021-06-30

Research Development	None
Effect Of Accounting Charges	None
Income Before Tax	-223157000.0
Minority Interest	None
Net Income	-222995000.0
Selling General Administrative	24639000.0
Gross Profit	443993000.0
Ebit	-180624000.0
Operating Income	-180624000.0
Other Operating Expenses	377800000.0
Interest Expense	-39536000.0
Extraordinary Items	None
Non Recurring	None
Other Items	None
Income Tax Expense	-162000.0
Total Revenue	538649000.0
Total Operating Expenses	719273000.0
Cost Of Revenue	94656000.0
Total Other Income Expense Net	-42533000.0
Discontinued Operations	None
Net Income From Continuing Ops	-222995000.0
Net Income Applicable To Common Shares	-222995000.0

]

10
['mutualfund_holders',
Holder Shares Date Reported \

0	iShares Core S&P Smallcap ETF	8545223	2022-01-30
1	Vanguard Total Stock Market Index Fund	3454105	2021-12-30
2	Vanguard Small-Cap Index Fund	3058030	2021-12-30
3	iShares Russell 2000 ETF	2729906	2022-01-30
4	SPDR (R) Ser Tr-SPDR (R) S&P (R) Oil & Gas Exp...	2729590	2022-01-30
5	Vanguard Small Cap Value Index Fund	1938357	2021-12-30
6	Vanguard Extended Market Index Fund	1597503	2021-12-30
7	iShares S&P Small-Cap 600 Growth ETF	1404764	2022-01-30
8	First Trust NASDAQ Oil & Gas ETF	1361871	2022-02-27
9	iShares Russell 2000 Value ETF	1284094	2022-01-30

% Out	Value
0 0.0701	280368766
1 0.0283	101827015
2 0.0251	90150724
3 0.0224	89568215
4 0.0224	89557847
5 0.0159	57142764
6 0.0131	47094388
7 0.0115	46090306
8 0.0112	48360039
9 0.0105	42131124

3
['options', ('2022-08-19', '2023-01-20', '2024-01-19')]

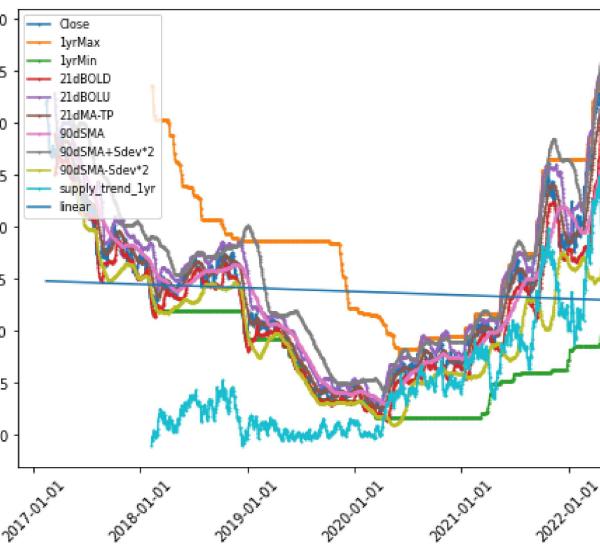
RRC

Index: SP400

Sector: Energy

Supply trend: 159173207.5642965

Risk trend factor: 2.2656514363289952



beta currentRatio debtToEquity ebitda ebitdaMargins forwardPE \\\nRRC 2.124019 0.246 162.685 458860992 0.11425 9.435616

freeCashflow grossMargins grossProfits heldPercentInstitutions \\\nRRC 838692352 0.57877 1937478000 0.86655

industry marketCap operatingCashflow operatingMargins payoutRatio \\\nRRC Oil & Gas E&P 8947339264 1090109952 0.02264 0

pegRatio priceToBook priceToSalesTrailing12Months profitMargins \\\nRRC 0.28 7.001422 2.227745 -0.01797

quickRatio returnOnAssets returnOnEquity revenueGrowth revenuePerShare \\\nRRC 0.238 0.00892 -0.04423 0.637 16.483

sector sharesOutstanding shortRatio totalCash totalCashPerShare \\\nRRC Energy 259795008 3.02 112931000 0.453

totalDebt totalRevenue \\\nRRC 2603130112 4016321024

2022-06-10

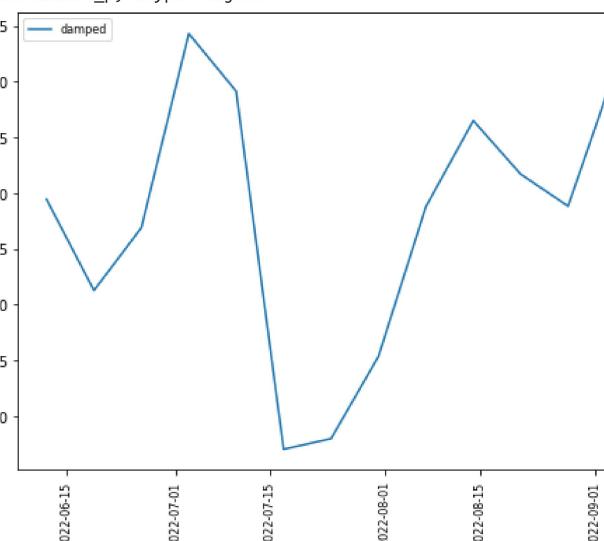
21dBOLD 21dMA-TP 21dBOLU

2022-06-10 24.99917 32.004603 39.010036

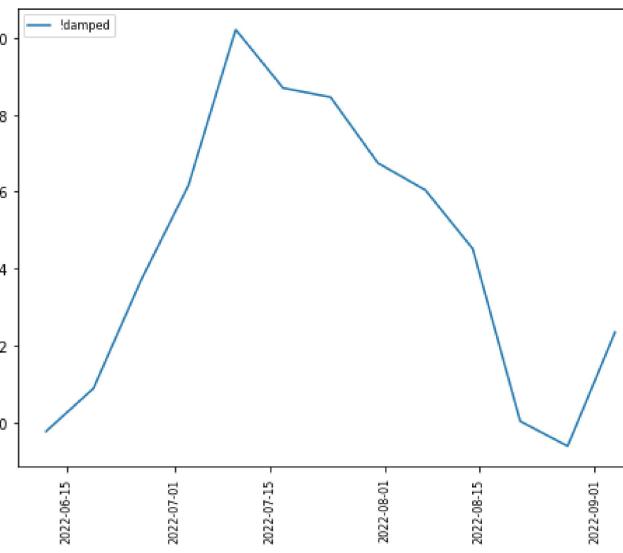
volume_factor latest_p vol_30d_2yr pct_2yr adf hurst

RRC 0.617091 34.439999 159173207.564297 0.907293 0.784588 0.495379

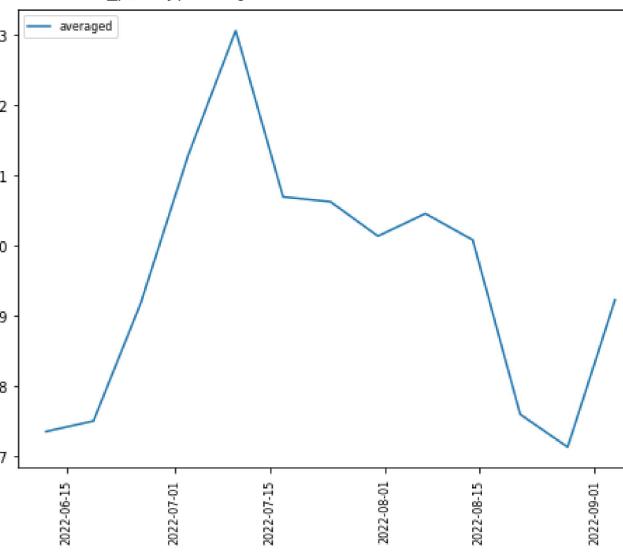
ets next 13 weeks
sell date: 2022-07-03
expected return: RRC 0.057793
Name: latest_p, dtype: object



sell date: 2022-07-03
expected return: RRC 0.457789
Name: latest_p, dtype: object



sell date: 2022-07-10
expected return: RRC 0.250273
Name: latest_p, dtype: object



23					
	'quarterly_balance_sheet',		2022-03-31	2021-12-31	2021-09-30 \
Capital Surplus	5.707652e+09	5.720277e+09	5.707382e+09		
Total Liab	4.960181e+09	4.574844e+09	5.122905e+09		
Total Stockholder Equity	1.600104e+09	2.085663e+09	1.181284e+09		
Other Current Liab	9.381210e+08	2.591970e+08	7.840350e+08		
Total Assets	6.560285e+09	6.660507e+09	6.304189e+09		
Common Stock	2.627000e+06	2.598000e+06	2.598000e+06		
Other Current Assets	2.033800e+07	5.738000e+06	4.518200e+07		
Retained Earnings	-4.063941e+09	-3.607055e+09	-4.498421e+09		
Other Liab	7.692500e+08	6.897480e+08	7.182680e+08		
Treasury Stock	-4.623400e+07	-3.015700e+07	-3.027500e+07		
Other Assets	1.585190e+08	1.133600e+08	1.039020e+08		
Cash	1.129310e+08	2.144220e+08	4.780000e+05		
Total Current Liabilities	2.337284e+09	1.152465e+09	1.646327e+09		
Deferred Long Term Asset Charges	3.543600e+07	NaN	NaN		
Short Long Term Debt	7.494830e+08	2.180170e+08	2.179090e+08		
Other Stockholder Equity	-7.500000e+04	-1.500000e+05	-2.680000e+05		
Property Plant Equipment	5.825971e+09	5.798982e+09	5.787932e+09		
Total Current Assets	5.757950e+08	7.366650e+08	4.123550e+08		
Net Tangible Assets	1.600104e+09	2.085663e+09	1.181284e+09		
Net Receivables	4.425260e+08	5.012750e+08	3.666950e+08		
Long Term Debt	1.829734e+09	2.707770e+09	2.730471e+09		
Accounts Payable	2.342530e+08	1.784130e+08	1.519190e+08		
Long Term Investments	NaN	1.150000e+07	NaN		
	2021-06-30				
Capital Surplus	5.699240e+09				
Total Liab	4.706172e+09				
Total Stockholder Equity	1.523261e+09				
Other Current Liab	3.459160e+08				
Total Assets	6.229433e+09				
Common Stock	2.598000e+06				
Other Current Assets	3.965800e+07				
Retained Earnings	-4.148154e+09				
Other Liab	7.108260e+08				
Treasury Stock	-3.042300e+07				
Other Assets	1.002050e+08				
Cash	4.640000e+05				
Total Current Liabilities	9.259190e+08				
Deferred Long Term Asset Charges	NaN				
Short Long Term Debt	NaN				
Other Stockholder Equity	-3.380000e+05				
Property Plant Equipment	5.789516e+09				
Total Current Assets	3.397120e+08				
Net Tangible Assets	1.523261e+09				
Net Receivables	2.995900e+08				
Long Term Debt	3.036657e+09				
Accounts Payable	1.444540e+08				
Long Term Investments	NaN]			
17					
	'quarterly_cashflow',		2022-03-31	2021-12-31	\
Change To Liabilities	51996000.0	4918000.0			
Total Cashflows From Investing Activities	-105012000.0	-88963000.0			
Net Borrowings	-358540000.0	-15022000.0			
Total Cash From Financing Activities	-402893000.0	-14752000.0			
Change To Operating Activities	-188049000.0	32486000.0			
Issuance Of Stock	3658000.0	357000.0			
Net Income	-456808000.0	891366000.0			
Change In Cash	-181491000.0	213944000.0			
Repurchase Of Stock	-41194000.0	-32000.0			
Total Cash From Operating Activities	406414000.0	317659000.0			
Depreciation	87600000.0	92427000.0			
Other Cashflows From Investing Activities	-2621000.0	-3089000.0			
Change To Account Receivables	58674000.0	-134334000.0			
Other Cashflows From Financing Activities	-6817000.0	-55000.0			
Change To Netincome	851036000.0	-570158000.0			
Capital Expenditures	-102740000.0	-85940000.0			
Change To Inventory	NaN	-1140000.0			
	2021-09-30	2021-06-30			
Change To Liabilities	13073000.0	-13178000.0			
Total Cashflows From Investing Activities	-110391000.0	-106125000.0			
Net Borrowings	-81813000.0	-7235000.0			
Total Cash From Financing Activities	-81449000.0	-68043000.0			
Change To Operating Activities	-15949000.0	32816000.0			
Issuance Of Stock	590000.0	4491000.0			
Net Income	-350267000.0	-156472000.0			
Change In Cash	14000.0	15000.0			
Repurchase Of Stock	-18000.0	-152000.0			
Total Cash From Operating Activities	191854000.0	174183000.0			
Depreciation	95116000.0	92806000.0			
Other Cashflows From Investing Activities	-194000.0	4611000.0			
Change To Account Receivables	-67066000.0	-15992000.0			
Other Cashflows From Financing Activities	-208000.0	-32000.0			
Change To Netincome	514953000.0	232025000.0			
Capital Expenditures	-110239000.0	-110923000.0			
Change To Inventory	-1140000.0	-1140000.0]		
4					
	'quarterly_earnings',	Revenue	Earnings		
Quarter					
Q22021	684405000	-156472000			

3Q2021 954859000 -350267000
4Q2021 1257264000 891366000
1Q2022 1119793000 -456808000]

22

```
['quarterly_financials',  
 Research Development None None 2022-03-31 2021-12-31 \\  
 Effect Of Accounting Charges None None  
 Income Before Tax -572889000.0 909879000.0  
 Minority Interest None None  
 Net Income -456808000.0 891366000.0  
 Selling General Administrative 43026000.0 42459000.0  
 Gross Profit 702005000.0 792996000.0  
 Ebit -453840000.0 1005348000.0  
 Operating Income -453840000.0 1005348000.0  
 Other Operating Expenses 947177000.0 -333146000.0  
 Interest Expense -47175000.0 -56362000.0  
 Extraordinary Items None None  
 Non Recurring None None  
 Other Items None None  
 Income Tax Expense -116081000.0 18513000.0  
 Total Revenue 1119793000.0 1257264000.0  
 Total Operating Expenses 1573633000.0 251916000.0  
 Cost Of Revenue 417788000.0 464268000.0  
 Total Other Income Expense Net -119049000.0 -95469000.0  
 Discontinued Operations None None  
 Net Income From Continuing Ops -456808000.0 891366000.0  
 Net Income Applicable To Common Shares -456808000.0 880571000.0
```

20

```
2021-09-30 2021-06-30  
Research Development None None  
Effect Of Accounting Charges None None  
Income Before Tax -379950000.0 -157734000.0  
Minority Interest None None  
Net Income -350267000.0 -156472000.0  
Selling General Administrative 49061000.0 40242000.0  
Gross Profit 525126000.0 304385000.0  
Ebit -324300000.0 -136296000.0  
Operating Income -324300000.0 -136296000.0  
Other Operating Expenses 665090000.0 267143000.0  
Interest Expense -56809000.0 -57287000.0  
Extraordinary Items None None  
Non Recurring None None  
Other Items None None  
Income Tax Expense -29683000.0 -1262000.0  
Total Revenue 954859000.0 684405000.0  
Total Operating Expenses 1279159000.0 820701000.0  
Cost Of Revenue 429733000.0 380020000.0  
Total Other Income Expense Net -55650000.0 -21438000.0  
Discontinued Operations None None  
Net Income From Continuing Ops -350267000.0 -156472000.0  
Net Income Applicable To Common Shares -350267000.0 -156472000.0 ]
```

10

```
['mutualfund_holders', Holder Shares Date Reported \\  
 0 iShares Core S&P Smallcap ETF 17572227 2022-01-30  
 1 Vanguard Total Stock Market Index Fund 7017434 2021-12-30  
 2 Vanguard Small-Cap Index Fund 6213678 2021-12-30  
 3 iShares Russell 2000 ETF 5443911 2022-01-30  
 4 SPDR (R) Ser Tr-SPDR (R) S&P (R) Oil & Gas Exp... 4635596 2022-01-30  
 5 Fidelity Puritan Fund Inc 3997998 2022-02-27  
 6 Vanguard Small Cap Value Index Fund 3940642 2021-12-30  
 7 Vanguard Extended Market Index Fund 3323577 2021-12-30  
 8 Undiscovered Managers Behavioral Value Fund 3240158 2021-12-30  
 9 American Beacon Small Cap Value Fd 2764733 2022-01-30
```

3

```
% Out Value  
0 0.0651 338265369  
1 0.0260 125120848  
2 0.0230 118789878  
3 0.0202 104795286  
4 0.0172 89235223  
5 0.0148 91754054  
6 0.0146 70261646  
7 0.0123 59259377  
8 0.0120 57772017  
9 0.0102 53221110 ]
```

3

```
['options', ('2022-06-17', '2023-01-20', '2024-01-19')]
```

27

```
['sustainability', Value  
2022-5  
palmOil False  
controversialWeapons False  
gambling False  
socialScore 0  
nuclear False  
furLeather False  
alcoholic False  
gmo False  
catholic False  
socialPercentile 0  
peerCount 66  
governanceScore 0
```

```
environmentPercentile          0
animalTesting                  False
tobacco                        False
totalEsg                        33.07
highestControversy                2
esgPerformance                 LEAD_PERF
coal                            False
pesticides                      False
adult                           False
percentile                      72.13
peerGroup                       Oil & Gas Producers
smallArms                        False
environmentScore                  0
governancePercentile                0
militaryContract                 False]
```