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MARMARA UNIVERSITY
FACULTY of ENGINEERING

CSE4062 Introduction to Data Science and Analytics

Spring 2021

Group #1

Title of the Project

Machine Learning Approach to U.S. Stock Investments

Group Members

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	Feature name	Description	Type	Min	Max	Avg.	Std.Dev.	Entropy	# of values	missing values %
0	Stock	stock code	text					22077	0	
1	Revenue	financial indicator	numeric_continuous	-627616000	1,88689E+12	5161618858	31973144008	9,6721833	20906	5,3
2	Revenue Growth	financial indicator	numeric_continuous	-12,7693	42138,6639	3,622214228	312,6481703	8,7124784	19989	9,46
3	Cost of Revenue	financial indicator	numeric_continuous	-2986887895	1,58153E+12	3258565393	25830920898	8,324618	20306	8,02
4	Gross Profit	financial indicator	numeric_continuous	-12808000000	4,6216E+11	1970452467	8735750257	9,662554	20870	5,47
5	R&D Expenses	financial indicator	numeric_continuous	-109800000	28837000000	103333292,3	767606165,7	4,607591	19939	9,68
6	SG&A Expense	financial indicator	numeric_continuous	-140159420,3	1,85683E+11	869927885,8	3804283410	9,7665056	20408	7,56
7	Operating Expenses	financial indicator	numeric_continuous	-5495511688	3,05605E+11	1368669853	5662983943	9,9325747	20375	7,71
8	Operating Income	financial indicator	numeric_continuous	-19339000000	1,56554E+11	589697890,7	2976453997	9,9155095	20976	4,99
9	Interest Expense	financial indicator	numeric_continuous	-1710953646	31523000000	97789390,14	499654291,6	7,713734	20358	7,79
10	Earnings before Tax	financial indicator	numeric_continuous	-21772000000	87205000000	492500290,6	2484345450	9,9220695	20713	6,18
11	Income Tax Expense	financial indicator	numeric_continuous	-7,38E+11	8,49E+11	130002043,9	7962080411	8,7095261	20489	7,19
12	Net Income - Non-Controlling int	financial indicator	numeric_continuous	-1587227414	6430813535	13390062,13	143753327,2	4,1062104	19818	10,23
13	Net Income - Discontinued ops	financial indicator	numeric_continuous	-15914500000	8368000000	-3240313,279	242497021,3	2,3022106	19818	10,23
14	Net Income	financial indicator	numeric_continuous	-23045000000	2,33997E+11	388672668,9	2643759192	9,8886958	20512	7,09
15	Preferred Dividends	financial indicator	numeric_continuous	-161000000	2741588000	4673906,343	53287995,57	2,2367805	19818	10,23
16	Net Income Com	financial indicator	numeric_continuous	-23045000000	2,33997E+11	387125353,8	2633920242	9,8818891	20686	6,3
17	EPS	financial indicator	numeric_continuous	-101870898,1	8028004,014	-10657,47956	896097,6629	7,508129	20776	5,89
18	EPS Diluted	financial indicator	numeric_continuous	-101870898,1	6624003,312	-10735,82333	895348,7469	7,4963166	20785	5,85
19	Weighted Average Shs Out	financial indicator	numeric_continuous	0	1,11292E+11	263176678,5	2046155695	9,8897837	20583	6,77
20	Weighted Average Shs Out (Dil)	financial indicator	numeric_continuous	0	1,11292E+11	266492638,3	2136719667	9,8966135	20140	8,77
21	Dividend per Share	financial indicator	numeric_continuous	0	10100,664	1,215391588	72,20095121	4,4100887	19818	10,23
22	Gross Margin	financial indicator	numeric_continuous	-74,3191	31	0,487843946	0,945601415	7,7400683	20878	5,43
23	EBITDA Margin	financial indicator	numeric_continuous	-24207	3090,87	-8,88059069	239,6253606	7,8290687	19630	11,08
24	EBIT Margin	financial indicator	numeric_continuous	-24242	1056,4658	-7,258787199	217,7949818	8,8118567	20403	7,58
25	Profit Margin	financial indicator	numeric_continuous	-24414	3090,87	-9,307057101	243,2054675	7,6178844	19633	11,07
26	Free Cash Flow margin	financial indicator	numeric_continuous	-23256	689,8297	-6,293523163	204,8696797	8,8038248	19786	10,38
27	EBITDA	financial indicator	numeric_continuous	-16484000000	2,33721E+11	928982019,4	4464530765	9,9391423	20323	7,94
28	EBIT	financial indicator	numeric_continuous	-18713000000	2,33997E+11	616190279,5	3324923078	9,9046551	20652	6,45
29	Consolidated Income	financial indicator	numeric_continuous	-23045000000	2,33997E+11	401690839,1	2667626334	9,894252	20510	7,1
30	Earnings Before Tax Margin	financial indicator	numeric_continuous	-24202	1056,4658	-7,214756216	215,1260637	8,7144381	20882	5,41
31	Net Profit Margin	financial indicator	numeric_continuous	-24414	1056,4658	-7,28051256	218,2950794	8,6915063	20355	7,8
32	Cash and cash equivalents	financial indicator	numeric_continuous	0	9,88E+11	1894710353	21767059845	9,8164297	20898	5,34
33	Short-term investments	financial indicator	numeric_continuous	0	8,51E+11	1388023358	19790342267	4,7598229	19365	12,28
34	Cash and short-term investments	financial indicator	numeric_continuous	0	9,88E+11	3088980159	32984076103	9,8889869	19602	11,21
35	Receivables	financial indicator	numeric_continuous	0	9,2E+11	976118398,3	9746251737	8,6234362	20972	5,01
36	Inventories	financial indicator	numeric_continuous	0	9,12E+11	504002341,9	9014646215	6,1520328	20246	8,29
37	Total current assets	financial indicator	numeric_continuous	0	1,26611E+12	5381980048	46807307160	9,9550924	19555	11,42
38	Property, Plant & Equipment Net	financial indicator	numeric_continuous	0	9,72313E+11	2714136117	17669352472	9,5890445	20418	7,51
39	Goodwill and Intangible Assets	financial indicator	numeric_continuous	0	3,8618E+11	1731173726	8752365896	7,7088979	20640	6,51
40	Long-term investments	financial indicator	numeric_continuous	-80000000	9,97E+11	2930936625	34899214793	5,5176125	19444	11,93
41	Tax assets	financial indicator	numeric_continuous	0	66501000000	152155057,5	1216324191	5,4985001	20094	8,98
42	Total non-current assets	financial indicator	numeric_continuous	0	5,46381E+16	3,40901E+12	4,31212E+14	9,9585303	16055	27,28
43	Total assets	financial indicator	numeric_continuous	0	2,0357E+13	20407238234	1,86069E+11	9,972989	20772	5,91
44	Payables	financial indicator	numeric_continuous	-20586351351	4,24269E+11	915984766,1	4895931343	9,1167398	20407	7,56
45	Short-term debt	financial indicator	numeric_continuous	-1374631268	2,75835E+11	597883917,1	5877180783	6,5883925	19371	12,26
46	Total current liabilities	financial indicator	numeric_continuous	-21077918782	2,09531E+12	7142083756	75652859628	9,933286	19549	11,45
47	Long-term debt	financial indicator	numeric_continuous	-8446486486	4,41253E+12	3294063118	35331276261	8,0306539	20169	8,64
48	Total debt	financial indicator	numeric_continuous	-9289864865	4,41253E+12	4558784756	40661822200	8,6129629	20369	7,74
49	Deferred revenue	financial indicator	numeric_continuous	-23639000	1,34879E+16	6,71468E+11	9,51574E+13	4,3365589	20091	9
50	Tax Liabilities	financial indicator	numeric_continuous	-1783580247	4,93831E+15	2,45978E+11	3,48269E+13	6,058695	20106	8,93
51	Deposit Liabilities	financial indicator	numeric_continuous	0	1,47067E+12	5079495680	59229049348	2,6629876	19807	10,28
52	Total non-current liabilities	financial indicator	numeric_continuous	-11070540541	6,17982E+15	3,88673E+11	4,87933E+13	9,718893	16041	27,34
53	Total liabilities	financial indicator	numeric_continuous	-7872214182	1,85654E+13	16089038257	1,67356E+11	9,9617698	20681	6,32
54	Other comprehensive income	financial indicator	numeric_continuous	-94785000000	1,70852E+15	83616099617	1,19618E+13	7,7625418	20401	7,59
55	Retained earnings (deficit)	financial indicator	numeric_continuous	-2,8E+11	2,106631255	14651964603	9,8206735	20910	5,29	
56	Total shareholders equity	financial indicator	numeric_continuous	-22884000000	1,46573E+12	3622994202	19618004420	9,9493114	20705	6,21
57	Investments	financial indicator	numeric_continuous	-5283298724	2,08023E+12	9033214981	84876067375	6,854398	20159	8,69
58	Net Debt	financial indicator	numeric_continuous	-4,44365E+11	4,41253E+12	1839178489	39555328235	9,9515545	15218	31,07
59	Other Assets	financial indicator	numeric_continuous	-9,11987E+11	7,38599E+11	630986068,3	19301321722	9,7079455	15321	30,6
60	Other Liabilities	financial indicator	numeric_continuous	-995229000000	1,86621E+12	5885822448	69958134200	9,9944256	19735	10,61
61	Depreciation & Amortization	financial indicator	numeric_continuous	-83360000	7,51E+11	342114899,8	5474084531	9,4327692	20549	6,92
62	Stock-based compensation	financial indicator	numeric_continuous	-137000000	9353000000	30812480,41	213895727,8	8,4146136	20344	7,85
63	Operating Cash Flow	financial indicator	numeric_continuous	-3,4E+11	1073238607	9,6E+11	16150911846	8,9904069	20909	5,29
64	Capital Expenditure	financial indicator	numeric_continuous	-1,45585E+11	5822595000	-391562278,8	2559380997	9,3913205	20554	6,9
65	Acquisitions and disposals	financial indicator	numeric_continuous	-15000000000	69871000000	-109483677,8	1445095708	5,6651598	20044	9,21
66	Investment purchases and sales	financial indicator	numeric_continuous	-1,93007E+11	1,49872E+11	-208487721,3	4211286025	6,2973138	20563	6,86
67	Investing Cash flow	financial indicator	numeric_continuous	-1,97993E+11	1,44591E+11	-70165425,4	4969187220	7,7648729	20672	6,36
68	Issuance (repayment) of debt	financial indicator	numeric_continuous	-1,96335E+11	62675000000	41507146,9	3050560787	8,4749087	20409	7,56
69	Issuance (buybacks) of shares	financial indicator	numeric_continuous	-72069000000	1,44401E+11	-118415415,6	1544792840	8,4167144	20135	8,8
70	Dividend payments	financial indicator	numeric_continuous	-16027206771	0	-182172267,1	802303602,5	5,5747875	19921	9,77
71	Financing Cash Flow	financial indicator	numeric_continuous	-8,88E+11	9,98E+11	-189527124,9	15440104591	9,8088457	21105	4,4
72	Effect of forex changes on cash	financial indicator	numeric_continuous	-1E+12	9,26E+11	-81866622,34	11125329192	5,3047296	20283	8,13
73	Net cash flow / Change in cash	financial indicator	numeric_continuous	-9,88E+11	9,88E+11	115132222,4	29486136156	9,7145649	21059	4,61
74	Free Cash Flow	financial indicator	numeric_continuous	-1,04239E+11	98870000000	453355548,5	3164032680	9,9008494	20438	7,42
75	Net Cash/Marketcap	financial indicator	numeric_continuous	-4943,5529	501,7801	-0,957732926	43,20719745	9,2474578	18721	15,2
76	priceBookValueRatio	financial indicator	numeric_continuous	0	108458749,3	20347,0531	1294364,862	9,5263397	17084	22,62
77	priceToBookRatio	financial indicator	numeric_continuous	0	108458749,3	20344,79097	1294364,752	8,5494813	17084	22,62
78	priceToSalesRatio	financial indicator	numeric_continuous	0	377315,7961	88,04570699	3499,317796	9,5413237	19794	10,34
79	priceEarningsRatio	financial indicator	numeric_continuous	0	105828,7129	37,84104833	853,4734956	7,2127996	19801	10,31
80	priceToFreeCashFlowsRatio	financial indicator	numeric_continuous	0	60328,7741	36,45509543	645,7326721	7,1538587	19800	10,31
81	priceToOperatingCashFlowsRatio	financial indicator	numeric_continuous	-108768,6767	554659,9637	53,97084693	4242,64938	9,8523834	18857	14,59
82	priceCashFlowRatio	financial indicator	numeric_continuous	0	554582,1706	63,9417902	4537,222149	9,8490612	15013	32
83	priceEarningsToGrowthRatio	financial indicator	numeric_continuous	0	100419,288	58,40742668	954,0306986	9,8738942	12998	41,12
84	priceSalesRatio	financial indicator	numeric_continuous	0	377315,7961	78,02207275	3429,496553	9,7666659	18720	15,21
85	dividendYield	financial indicator	numeric_continuous	0	527,926557	0,286129491	8,332549131	6,0343454	18779	14,94
86	enterpriseValueMultiple	financial indicator	numeric_continuous	0	47022,618	36,45482558	571,1146465	10,001333	15133	31,45
87	priceFairValue	financial indicator	numeric_continuous	0	94309693,22	11170,94842	867520,6729	9,8142384	18503	16,19
88	ebitperRevenue	financial indicator	numeric_continuous	-24242	1056,465753	-7,751022894	224,4290589	9,9067423	19215	12,96
89	ebtperEBIT	financial indicator	numeric_continuous	-983,2076923	2263,870095	0,634464077	21,47880022	8,7069032	14070	36,27
90	niperEBT	financial indicator	numeric_continuous	-206,0833333	845,5555556	0,864169005	9,535127399	9,7375853	13482	38,93
91	grossProfitMargin	financial indicator	numeric_continuous	-223,4827586	34,81074705	0,492200918	2,023480525	8,759676	19215	12,96
92	operatingProfitMargin	financial indicator	numeric_continuous	1	1	1	0	1,4175145	19215	12,96
93	pretaxProfitMargin	financial indicator	numeric_continuous	-24577	198,6842105	-8,055263164	225,9547824	10,000674	19215	12,96
94	netProfitMargin	financial indicator	numeric_continuous	-24414	1056,465753	-7,781141393	224,6994764	8,9834873	19215	12,96
95	effectiveTaxRate	financial indicator	numeric_continuous	-28384,61538	207,0833333	-2,003388331	244,6404842	9,7303662	13482	38,93
96	returnOnAssets	financial indicator	numeric_continuous	-344,4375	345,631	-0,065041893	8,362792694	9,45363	15542	29,6
97	returnOnEquity	financial indicator	numeric_continuous	-34772,4596	11141141,67	1645,940434	114822,1261	8,9870833	19739	10,59
98	returnOnCapitalEmployed	financial indicator	numeric_continuous	-616,6446	3863,9037	-0,115455492	35,25907382	8,7565089	15568	29,48

118	interestCoverage	financial indicator	numeric_continuous	-223603	361207,3684	-32,19756542	3781,263307	8,0033936	19890	9,91
119	cashFlowToDebtRatio	financial indicator	numeric_continuous	-40783,94035	863187,7715	67,17364654	6929,147805	10,000608	15801	28,43
120	companyEquityMultiplier	financial indicator	numeric_continuous	0,274651772	8740761,333	1232,574918	82998,64085	10,000734	18742	15,11
121	operatingCashFlowPerShare	financial indicator	numeric_continuous	-24942284,42	45351079,16	22904,80882	763234,3879	9,8919232	19652	10,98
122	freeCashFlowPerShare	financial indicator	numeric_continuous	-35588921,28	31932634,45	1507,182944	405433,7599	9,394083	19653	10,98
123	cashPerShare	financial indicator	numeric_continuous	0	212722714,2	83671,83018	3097123,515	5,8022353	19648	11
124	payoutRatio	financial indicator	numeric_continuous	-137,154	479,57	0,323305308	5,961775615	5,0139712	19687	10,83
125	operatingCashFlowSalesRatio	financial indicator	numeric_continuous	-14322432,432	377383,592	-11,8965239	11384,22305	10,000483	19215	12,96
126	freeCashFlowOperatingCashFlowRatio	financial indicator	numeric_continuous	-11849,1722	47,65294118	-0,698318457	95,61367088	9,7651818	15489	29,84
127	cashFlowCoverageRatios	financial indicator	numeric_continuous	-40783,94035	863187,7715	67,17364654	6929,147805	10,000608	15801	28,43
128	shortTermCoverageRatios	financial indicator	numeric_continuous	-16336,66671	863187,7715	254,5972607	10450,29591	10,000651	11333	48,67
129	capitalExpenditureCoverageRatios	financial indicator	numeric_continuous	-46880	313315,6667	-13,60738533	2438,368584	9,9996934	18428	16,53
130	dividendpaidAndCapexCoverageRatios	financial indicator	numeric_continuous	-46880	64384,91318	-33,9732918	764,973657	10,000282	19157	13,23
131	dividendPayoutRatio	financial indicator	numeric_continuous	0	746,7014925	0,821236148	10,69369456	8,2620207	12998	41,12
132	Revenue per Share	financial indicator	numeric_continuous	-3,1677	226232494,9	151639,5713	4206785,552	9,6799405	19634	11,07
133	Net Income per Share	financial indicator	numeric_continuous	-12724877,5	29790471,67	12909,93628	485543,6331	9,8550752	19632	11,07
134	Operating Cash Flow per Share	financial indicator	numeric_continuous	-24942284,42	45351079,16	22890,83379	763001,6673	9,8918604	19664	10,93
135	Free Cash Flow per Share	financial indicator	numeric_continuous	-35588921,28	31932634,45	1506,263206	405310,0343	9,394083	19665	10,93
136	Cash per Share	financial indicator	numeric_continuous	0	212722714,2	83676,08894	3097202,28	9,8023372	19647	11,01
137	Book Value per Share	financial indicator	numeric_continuous	-642647,391	616362318,8	57141,16336	4686263,306	9,7298416	19646	11,01
138	Tangible Book Value per Share	financial indicator	numeric_continuous	0	1095289855	108896,1331	8442215,673	9,8452834	19646	11,01
139	Shareholders Equity per Share	financial indicator	numeric_continuous	-660561,1875	258351241,9	202814,8394	4956871,317	9,9639907	19647	11,01
140	Interest Debt per Share	financial indicator	numeric_continuous	-20,0091	419924840,9	319578,2413	8965197,118	8,6638437	19647	11,01
141	Market Cap	financial indicator	numeric_continuous	0	9,6192E+13	30560346775	1,43251E+12	9,9018012	19006	13,91
142	Enterprise Value	financial indicator	numeric_continuous	-1,48755E+11	1,14583E+12	8478816749	32731994168	9,8081561	17037	22,83
143	PE ratio	financial indicator	numeric_continuous	0	105828,7129	37,90369287	852,9069156	7,2160316	19829	10,18
144	Price to Sales Ratio	financial indicator	numeric_continuous	0	377315,7961	87,95396542	3496,848241	9,5389403	19822	10,21
145	POCF ratio	financial indicator	numeric_continuous	-108768,6767	554659,9637	53,91658057	4240,064551	9,8503022	18880	14,48
146	PPCF ratio	financial indicator	numeric_continuous	0	60328,7741	36,42683441	645,2775071	7,148715	19828	10,19
147	PB ratio	financial indicator	numeric_continuous	0	108458749,3	20328,1694	1293759,281	9,524482	17100	22,54
148	PTB ratio	financial indicator	numeric_continuous	0	108458749,3	20325,9089	1293759,171	8,5457427	17100	22,54
149	EV to Sales	financial indicator	numeric_continuous	-4324,8114	185096,2978	53,71533778	1675,346125	9,4997363	17030	22,86
150	Enterprise Value over EBITDA	financial indicator	numeric_continuous	0	35296,196	21,73107447	308,2014987	8,3296498	17034	22,84
151	EV to Operating cash flow	financial indicator	numeric_continuous	-94684,1767	512579,0405	40,0733114	4017,128639	9,791063	17034	22,84
152	EV to Free cash flow	financial indicator	numeric_continuous	-467933,3193	84994,8903	-19,47912927	3988,397694	9,8003732	17034	22,84
153	Earnings Yield	financial indicator	numeric_continuous	-21375	12673,4414	-0,215082702	219,1828341	8,3875114	19829	10,18
154	Free Cash Flow Yield	financial indicator	numeric_continuous	-25896,7081	293,8176	-1,735278236	191,1058846	8,5980376	18880	14,48
155	Debt to Equity	financial indicator	numeric_continuous	-2586,4359	2131,5128	0,562818691	26,65730955	8,3934875	19763	10,48
156	Debt to Assets	financial indicator	numeric_continuous	-0,4536	133,6571	0,272899231	1,135444257	7,9146035	19763	10,48
157	Net Debt to EBITDA	financial indicator	numeric_continuous	-9616	22776,5294	2,882300912	236,6003344	9,9460444	14362	34,95
158	Current ratio	financial indicator	numeric_continuous	-1,4393	20590,47	6,578997558	190,4739662	9,2353996	15561	29,51
159	Interest Coverage	financial indicator	numeric_continuous	-223603	361207,3684	-32,077465	3778,42755	7,999442	19920	9,77
160	Income Quality	financial indicator	numeric_continuous	-2719,5	17675,5	2,821206668	136,3167276	9,7831828	19857	10,06
161	Dividend Yield	financial indicator	numeric_continuous	0	14,55	0,020425596	0,143164399	4,5387377	19831	10,17
162	Payout Ratio	financial indicator	numeric_continuous	-137,154	479,57	0,323061214	5,958608477	5,0055525	19708	10,73
163	SG&A to Revenue	financial indicator	numeric_continuous	-58,7976	15246	3,50988637	122,9899733	8,6307245	19853	10,07
164	R&D to Revenue	financial indicator	numeric_continuous	-0,7317	12991	4,445070404	128,8361591	4,0602287	19800	10,31
165	Intangibles to Total Assets	financial indicator	numeric_continuous	0	0,9953	0,154727445	0,209260006	7,0200682	19880	9,95
166	Capex to Operating Cash Flow	financial indicator	numeric_continuous	0	11850,1722	1,3865001778	84,31568267	7,4266056	19967	9,56
167	Capex to Revenue	financial indicator	numeric_continuous	-4310	773,6667	0,12848176	31,98942754	7,6309164	19868	10,01
168	Capex to Depreciation	financial indicator	numeric_continuous	-28088,9763	35298,3333	-5,526198988	372,6075808	9,2122073	19852	10,08
169	Stock-based compensation to Revenue	financial indicator	numeric_continuous	-5,7684	3700	1,079116527	33,51364236	6,3588676	19774	10,43
170	Graham Number	financial indicator	numeric_continuous	0	8851965,516	737,5825845	69208,74595	7,8487315	17094	22,57
171	ROIC	financial indicator	numeric_continuous	-616,6446	3863,9037	-0,115455492	35,25907382	8,7565089	15568	29,48
172	Return on Tangible Assets	financial indicator	numeric_continuous	-344,4375	345,631	-0,065041893	8,362792694	9,45363	15542	29,6
173	Graham Net-Net	financial indicator	numeric_continuous	-5474,4406	283,0389	-1,659189271	45,88340617	9,3533211	18911	14,34
174	Working Capital	financial indicator	numeric_continuous	-4,61001E+13	1,47214E+13	-2,88121E+11	3,69499E+13	9,9755616	15567	29,49
175	Tangible Asset Value	financial indicator	numeric_continuous	-24215000000	2,56818E+12	16164888181	1,10548E+11	9,993728	19880	9,95
176	Net Current Asset Value	financial indicator	numeric_continuous	-1,37794E+12	80512000000	-7585341634	56846491891	9,9887559	19046	13,73
177	Invested Capital	financial indicator	numeric_continuous	-8,26288E+15	3,0528E+12	-4,00379E+11	5,87784E+13	9,9939914	19762	10,49
178	Average Receivables	financial indicator	numeric_continuous	0	4,60003E+11	914402488,4	6902478102	8,8585767	19948	9,64
179	Average Payables	financial indicator	numeric_continuous	-20369190904	7,1236E+11	950983534,7	10140227058	9,2630179	19651	10,99
180	Average Inventory	financial indicator	numeric_continuous	0	4,56E+11	392181094,2	3875869753	6,3487377	19646	11,01
181	Days Sales Outstanding	financial indicator	numeric_continuous	-473104,3422	3900070,847	747,5486148	42585,473	8,6779108	20238	8,33
182	Days Payables Outstanding	financial indicator	numeric_continuous	-207232,4715	1043413,33	340,4278665	9866,462561	9,8977961	19838	10,14
183	Days of Inventory on Hand	financial indicator	numeric_continuous	-5182867,019	975,8069	-402,1160061	37241,11019	6,1556404	19833	10,16
184	Receivables Turnover	financial indicator	numeric_continuous	-8698,6061	164428,5	44,77226775	1687,815259	8,7340214	19864	10,02
185	Payables Turnover	financial indicator	numeric_continuous	-41,0958	8650,3158	6,213959035	79,57121081	9,0141761	17166	22,24
186	Inventory Turnover	financial indicator	numeric_continuous	0	95827,7103	31,62418604	727,3354978	6,3488777	19565	11,38
187	ROE	financial indicator	numeric_continuous	-34772,4596	11141141,67	1646,107283	114827,9427	8,9871461	19737	10,6
188	Capex per Share	financial indicator	numeric_continuous	-73354000	1255872,972	-18800,31495	662354,255	9,1775569	19664	10,93
189	Gross Profit Growth	financial indicator	numeric_continuous	-5536,4833	336767,8	18,95154469	2380,55765	8,8223452	20069	9,1
190	EBIT Growth	financial indicator	numeric_continuous	-16888	20598,4286	0,807739501	233,2634268	9,5673168	19736	10,91
191	Operating Income Growth	financial indicator	numeric_continuous	-18881	13545,3387	0,462037376	188,4220477	9,5187312	20109	8,6
192	Net Income Growth	financial indicator	numeric_continuous	-33777	3159	-2,230353811	248,959622	9,6459386	19695	10,79
193	EPS Growth	financial indicator	numeric_continuous	-2125	4378,0492	0,28336706	37,74877337	9,2935033	19894	9,89
194	EPS Diluted Growth	financial indicator	numeric_continuous	-2125	39679767,04	1995,812966	281395,5581	8,2892832	19884	9,93
195	Weighted Average Shares Growth	financial indicator	numeric_continuous	-0,9999	223089,5	13,20897567	1611,269005	8,1611523	19269	12,72
196	Weighted Average Shares Diluted Growth	financial indicator	numeric_continuous	-1	3378329,427	189,6109702	25075,11989	8,3011882	18155	17,77
197	Dividends per Share Growth	financial indicator	numeric_continuous	-1	372,5714	0,15822221	3,502421548	4,2221884	19608	11,18
198	Operating Cash Flow growth	financial indicator	numeric_continuous	-18001	455999	64,1095843	5239,628223	9,5373236	20014	9,34
199	Free Cash Flow growth	financial indicator	numeric_continuous	-83431,4286	8030,3333	-3,544641565	603,6085433	9,6935924	19603	11,21
200	10Y Revenue Growth (per Share)	financial indicator	numeric_continuous	-1	1,747	0,021050618	0,156278714	9,1178861	12545	43,18
201	5Y Revenue Growth (per Share)	financial indicator	numeric_continuous	-1	8,9762	0,028228113	0,23575332	8,8964722	15676	28,99
202	3Y Revenue Growth (per Share)	financial indicator	numeric_continuous	-1	43,9195	0,04070423	0,508011672	8,756619	17611	20,23
203	10Y Operating CF Growth (per Share)	financial indicator	numeric_continuous	-0,7618	1,7327	0,037765569	0,115318076	8,3930886	12599	42,93
204	5Y Operating CF Growth (per Share)	financial indicator	numeric_continuous	-1	4,1862	0,04725043	0,197747276	9,7315453	15713	28,83
205	3Y Operating CF Growth (per Share)	financial indicator	numeric_continuous	-1	9,6961	0,064219315	0,316339779	7,5719552	17644	20,08
206	10Y Net Income Growth (per Share)	financial indicator	numeric_continuous	-1	1,3372	0,030847493	0,11101356	9,7629218	12545	43,18
207	5Y Net Income Growth (per Share)	financial indicator	numeric_continuous	-1	4,4761	0,0569213	0,204218394	7,1267944	15676	28,99
208	3Y Net Income Growth (per Share)	financial indicator	numeric_continuous	-1	17,0282	0,07422592	0,375422568	6,7738537	17611	20,23
209	10Y Shareholders Equity Growth (per Share)	financial indicator	numeric_continuous	-0,7137	2,451	0,033468202	0,126555696	9,0231715	12397	43,85
210	5Y Shareholders Equity Growth (per Share)	financial indicator	numeric_continuous	-0,8874	6,0316	0,039181994	0,203913496	8,6958194	15467	29,94
211	3Y Shareholders Equity Growth (per Share)	financial indicator	numeric_continuous	-0,981	20,0367	0,047642119	0,386584146	8,5730066	17434	21,03
212	10Y Dividend per Share Growth (per Share)	financial indicator	numeric_continuous	-1	0,9128	-0,026189597	0,229555076	6,8082258	12900	41,57
213	5Y Dividend per Share Growth (per Share)	financial indicator	numeric_continuous	-1	2,9811	-0,000595742	0,229905763	5,543252	16299	26,17
214	3Y Dividend per Share Growth (per Share)	financial indicator	numeric_continuous	-1	5,4005	0,01229793	0,263079291	4,885649	18264	17,27
215	Receivables growth	financial indicator	numeric_continuous							