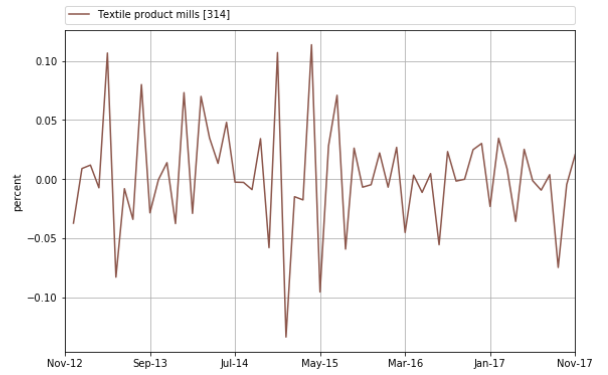
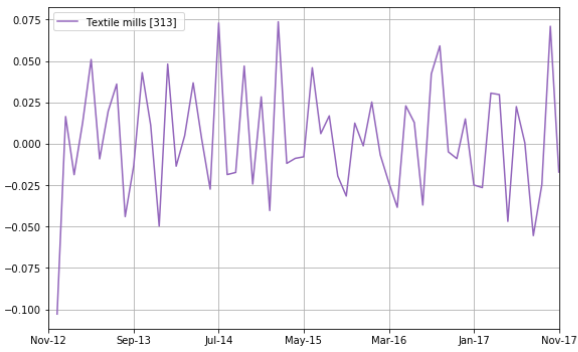
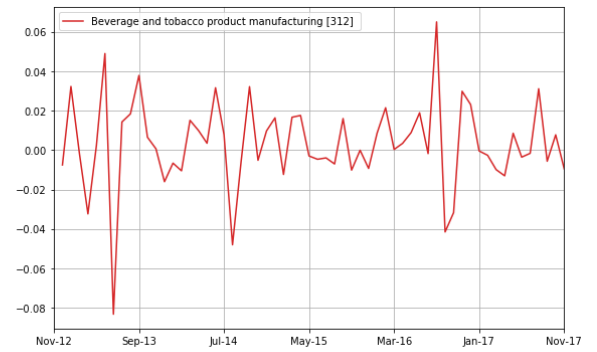
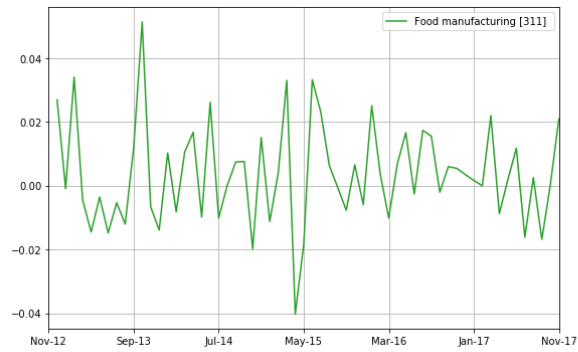
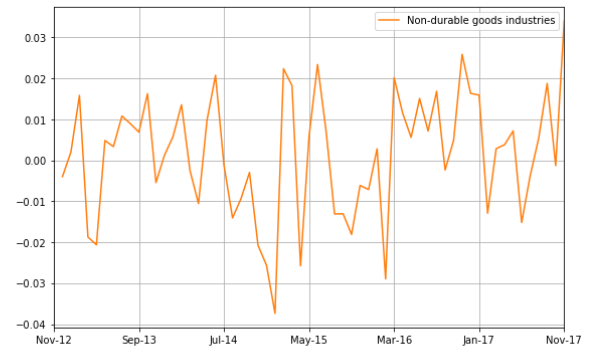
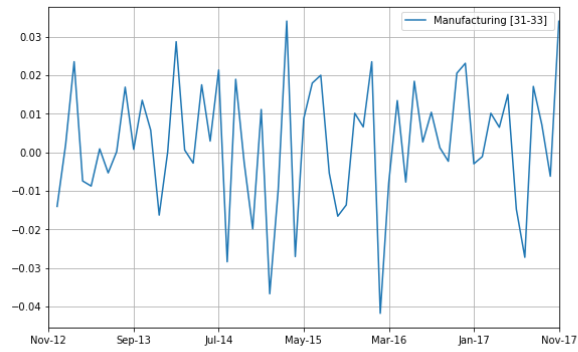



```
In [2]: %run manufacturing.py  
#December 2017
```

What do you want to name your graph?

December 2017 Manufacturing

December 2017 Manufacturing



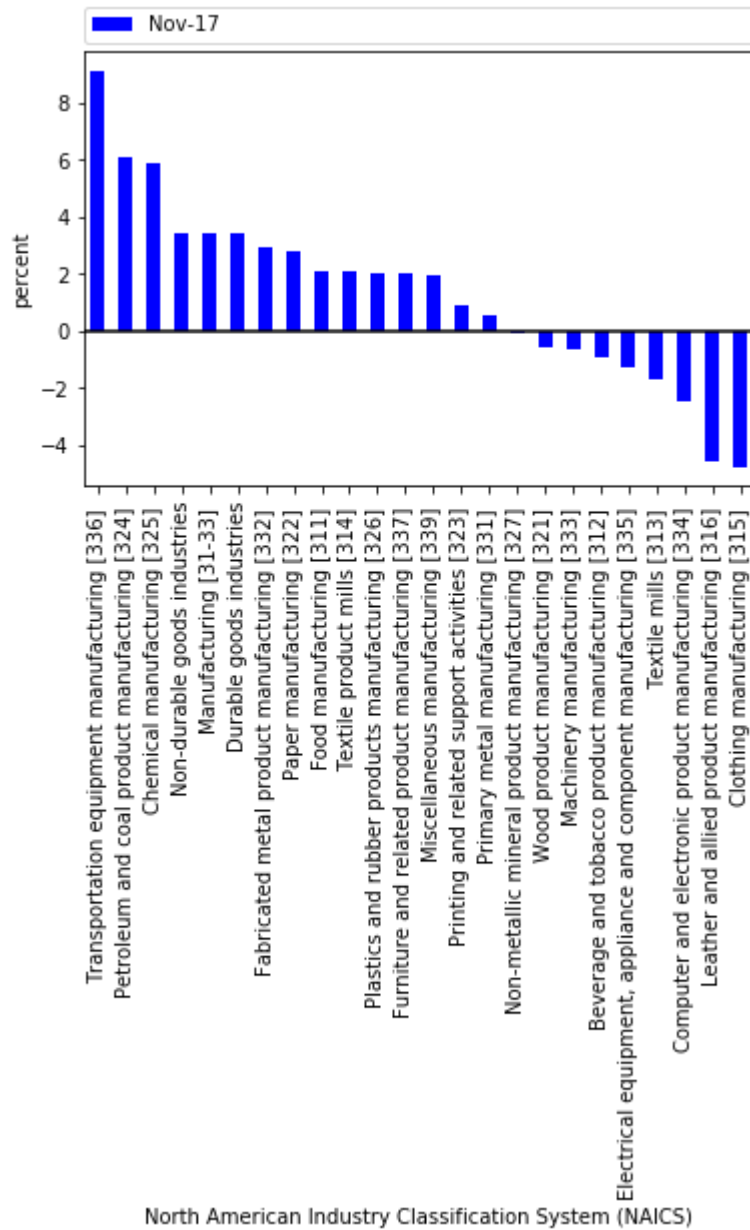
	Nov-16	Oct-17	Nov-17	Mean Growth Rates	Standard Devation	Relative Standard Devation
North American Industry Classification System (NAICS)						
Manufacturing [31-33]	2.04843	-0.624326	3.39732	0.228053	1.66285	1
Non-durable goods industries	2.58717	-0.127845	3.40046	0.151189	1.49771	0.900689
Food manufacturing [311]	0.546522	0.0351239	2.09617	0.369377	1.6123	0.969602
Beverage and tobacco product manufacturing [312]	2.99064	0.780232	-0.944885	0.297304	2.28425	1.3737
Textile mills [313]	-0.897667	7.0908	-1.71079	0.235328	3.50806	2.10967
Textile product mills [314]	2.48646	-0.470135	2.07291	0.208733	4.69079	2.82093
Clothing manufacturing [315]	-2.35006	-4.11974	-4.76228	-0.0761207	5.69561	3.42521
Leather and allied product manufacturing [316]	3.43796	2.53401	-4.57871	0.367743	8.63201	5.1911
Paper manufacturing [322]	0.865349	0.517891	2.7572	0.401022	2.45233	1.47477
Printing and related support activities [323]	2.97514	-0.366195	0.868831	-0.0124538	1.73378	1.04265
Petroleum and coal product manufacturing [324]	6.22854	1.31832	6.11322	-0.174252	6.12025	3.68058
Chemical manufacturing [325]	3.2772	-2.72786	5.89757	0.241493	2.34368	1.40943
Plastics and rubber products manufacturing [326]	3.62347	-0.412563	2.02615	0.553977	1.74936	1.05203
Durable goods industries	1.57127	-1.07376	3.39446	0.315768	2.48606	1.49506
Wood product manufacturing [321]	3.01121	3.05138	-0.576925	0.846645	2.721	1.63635

	Nov-16	Oct-17	Nov-17	Mean Growth Rates	Standard Deviation	Relative Standard Deviation
North American Industry Classification System (NAICS)						
Non-metallic mineral product manufacturing [327]	4.37869	1.63859	-0.111423	0.340797	2.79492	1.6808
Primary metal manufacturing [331]	9.34966	1.54614	0.55453	0.280676	3.46638	2.0846
Fabricated metal product manufacturing [332]	-0.243641	3.27778	2.95016	0.0518149	2.02556	1.21812
Machinery manufacturing [333]	5.6876	-0.736357	-0.637989	0.305643	2.94624	1.7718
Computer and electronic product manufacturing [334]	4.03889	6.0389	-2.47131	0.120227	2.70881	1.62902
Electrical equipment, appliance and component manufacturing [335]	3.37278	1.14505	-1.28093	0.0267942	3.32601	2.00019
Transportation equipment manufacturing [336]	-2.43611	-5.73284	9.11789	0.548566	5.86382	3.52637
Furniture and related product manufacturing [337]	1.21067	0.684977	2.01971	0.253177	2.16868	1.30419
Miscellaneous manufacturing [339]	0.111899	-4.14626	1.92961	-0.0747173	5.58799	3.36049

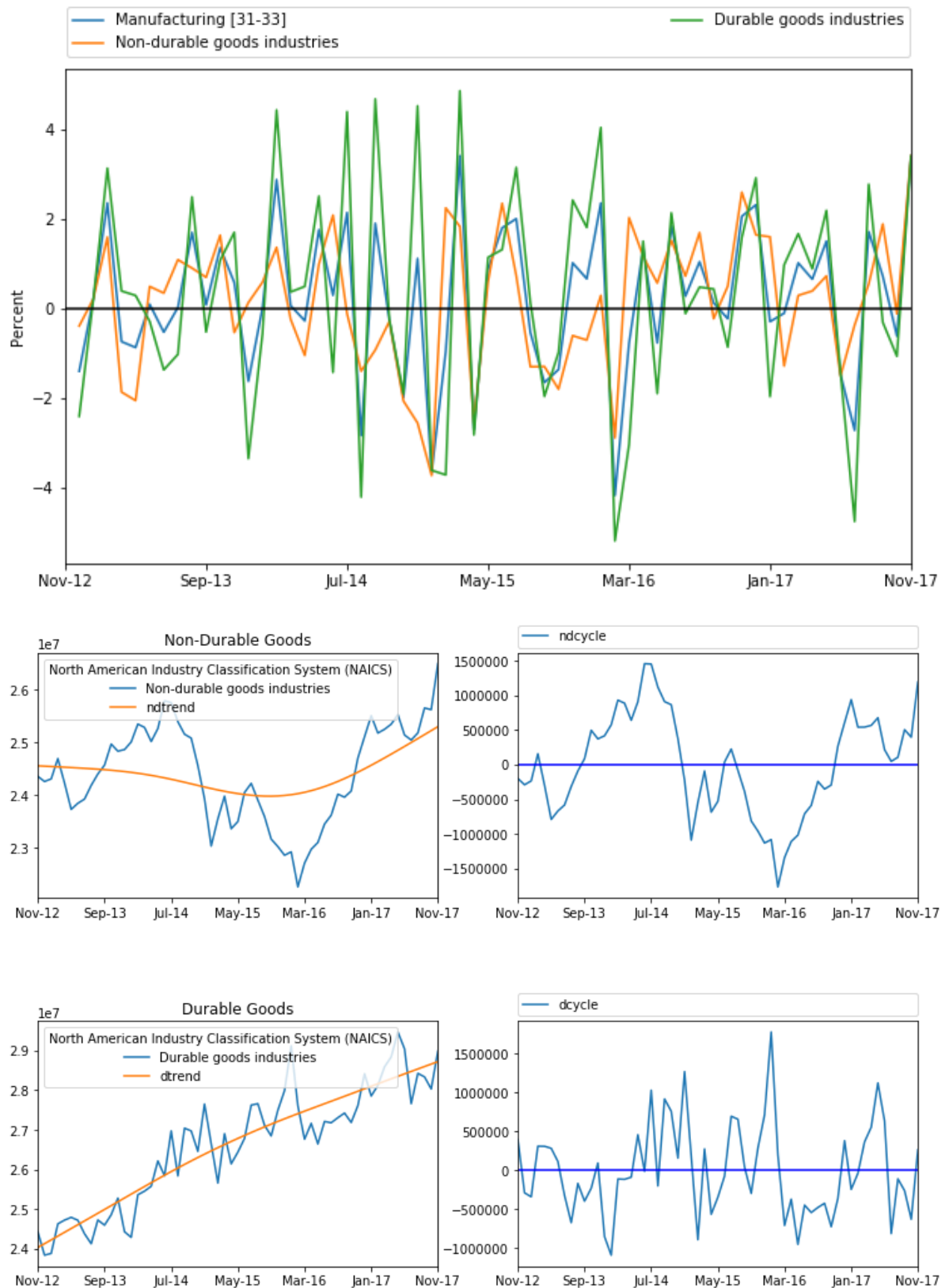
All units are percent change.

Note-Relative standard deviation is the standard deviation divided by manufacturing standard deviation

Monthly Change



North American Industry Classification System (NAICS)



In []: