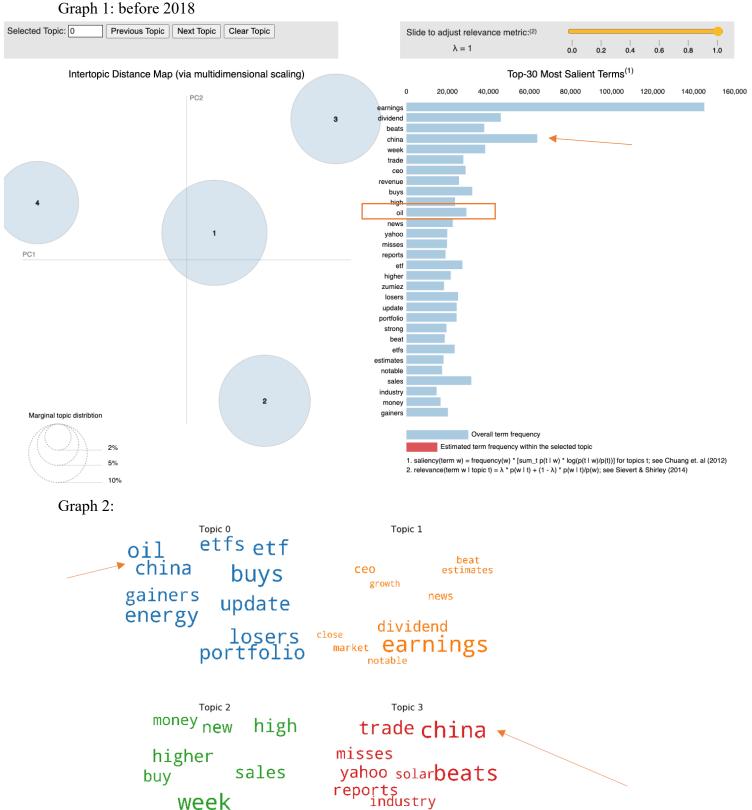
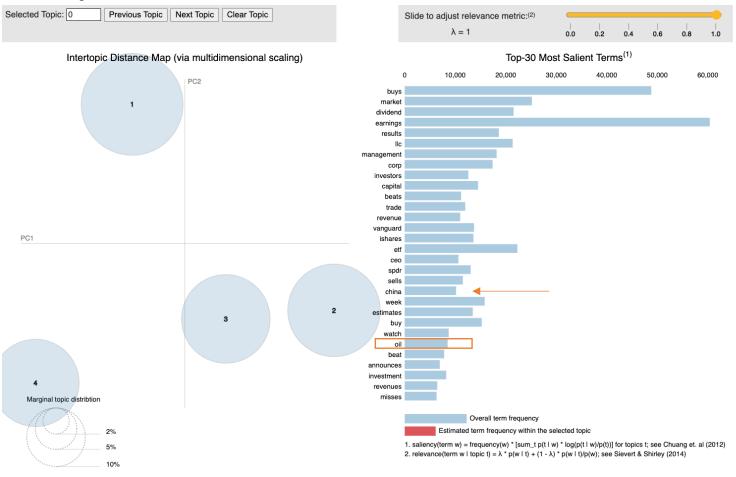
Appendix



zumiezrevenue

retail ^{data} strong

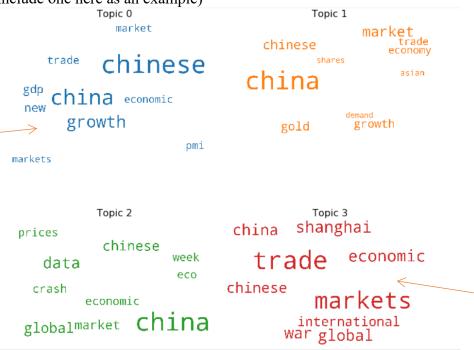
Graph 3: after 2018



Graph 4



Graph 5(All 3 international/Chinese stocks show similar topic words in the graphs, so I only include one here as an example)



Graph 6 (Kroger)



Graph 7(stock PJM)







wall watch big earnings

banks dow market street