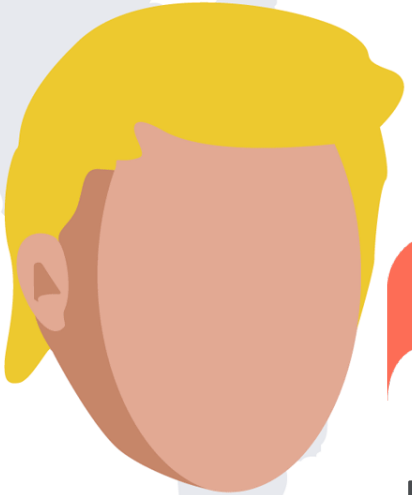
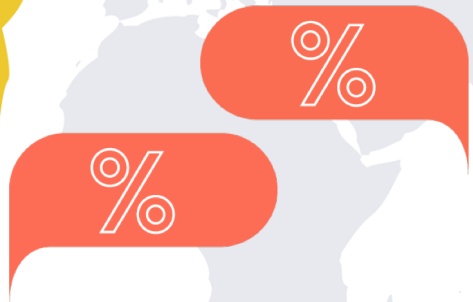
Trade War Insights from News





Leo Liu

November 16th, 2018

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Objective

Wise Investment

Strategic Diplomacy

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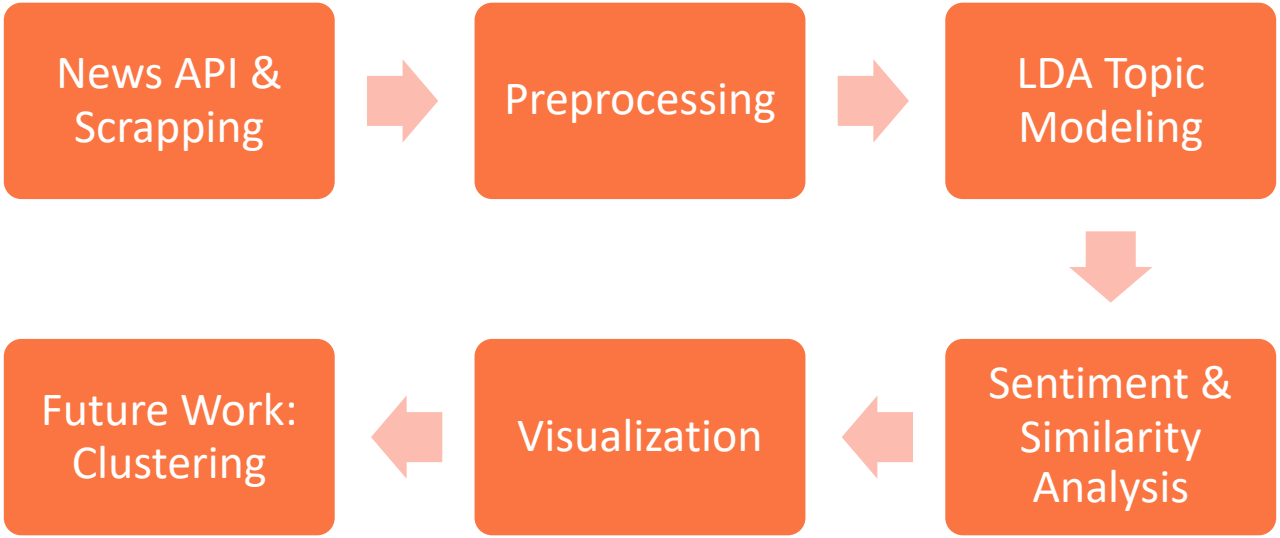
General Workflow

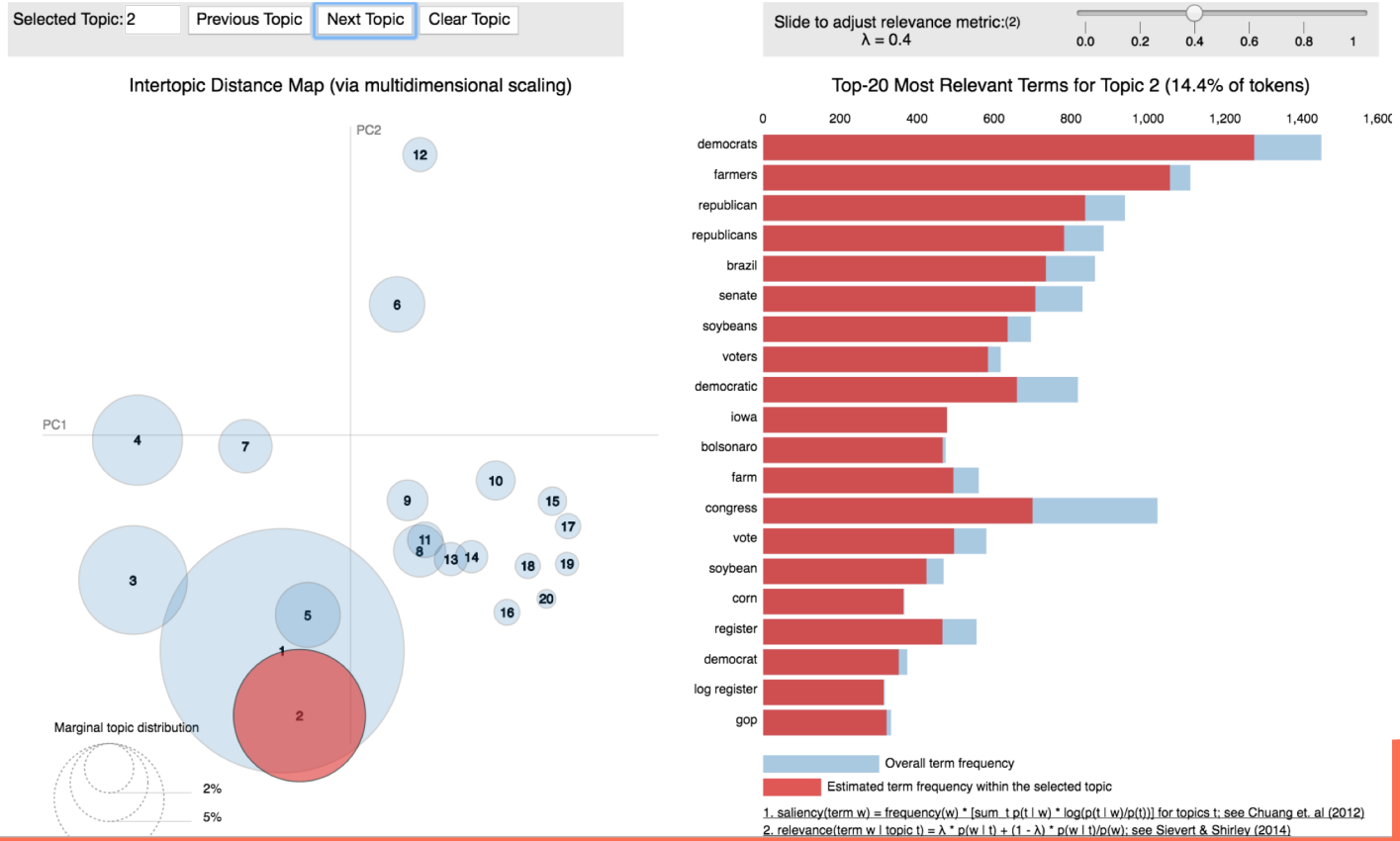


LDA Topic Modeling

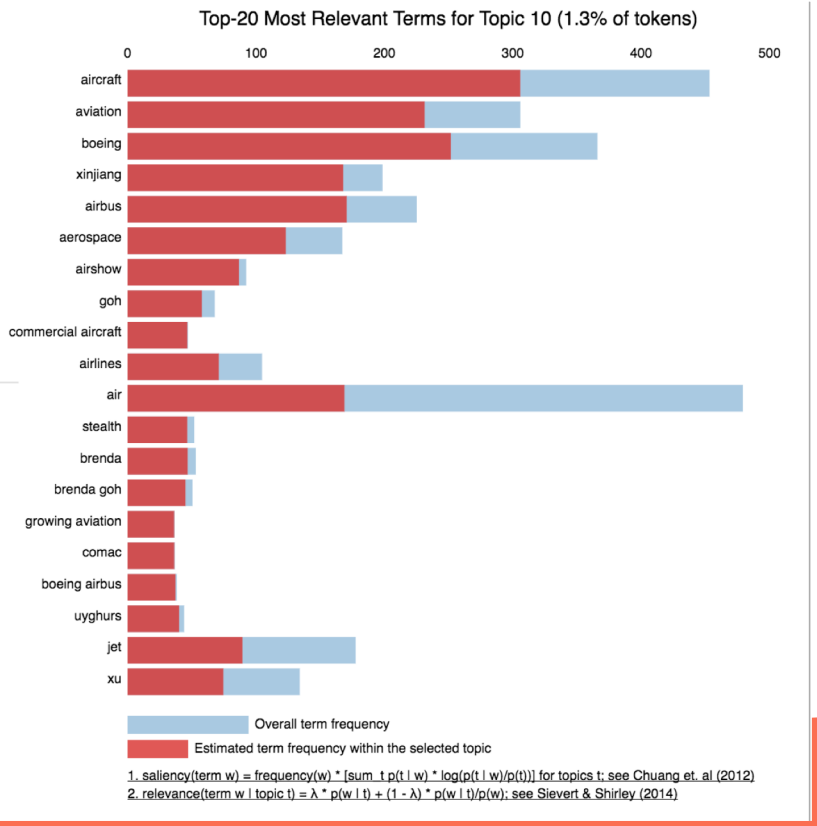
Topics found:

- Economy
- Agriculture
- Australia & New Zealand
- Stock Market
- Energy
- Monetary & Indonesia
- Taiwan Strait Defense
- Thailand & Vietnam
- Aircraft
- Investment
- Journalism
- WTO
- High Tech Company
- Social Media
- Luxury Goods
- Automobile

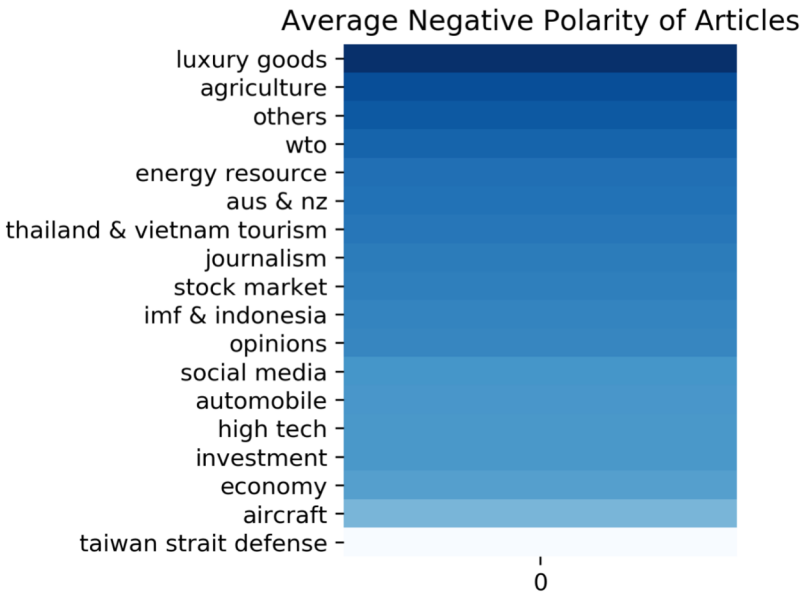
LDA Topic - Agriculture

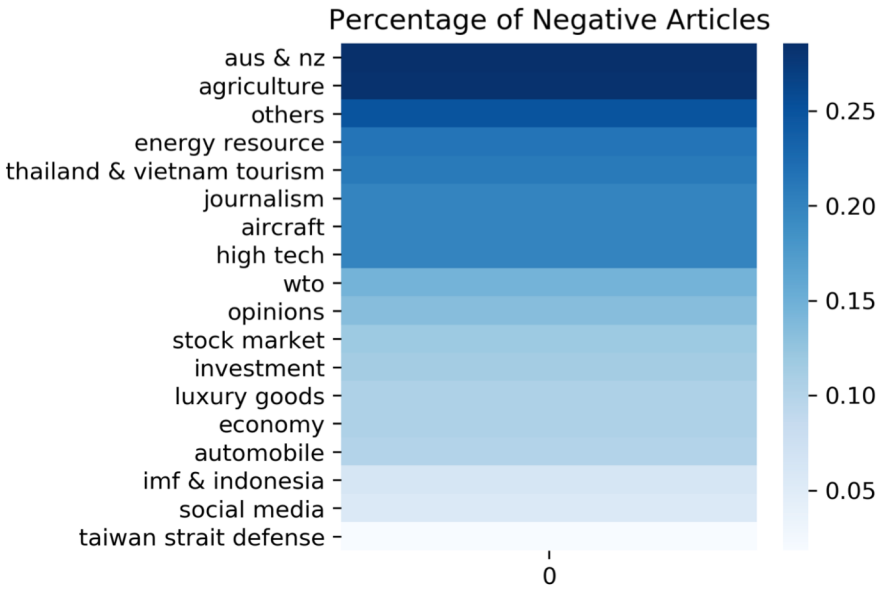


LDA Topic – Aircraft

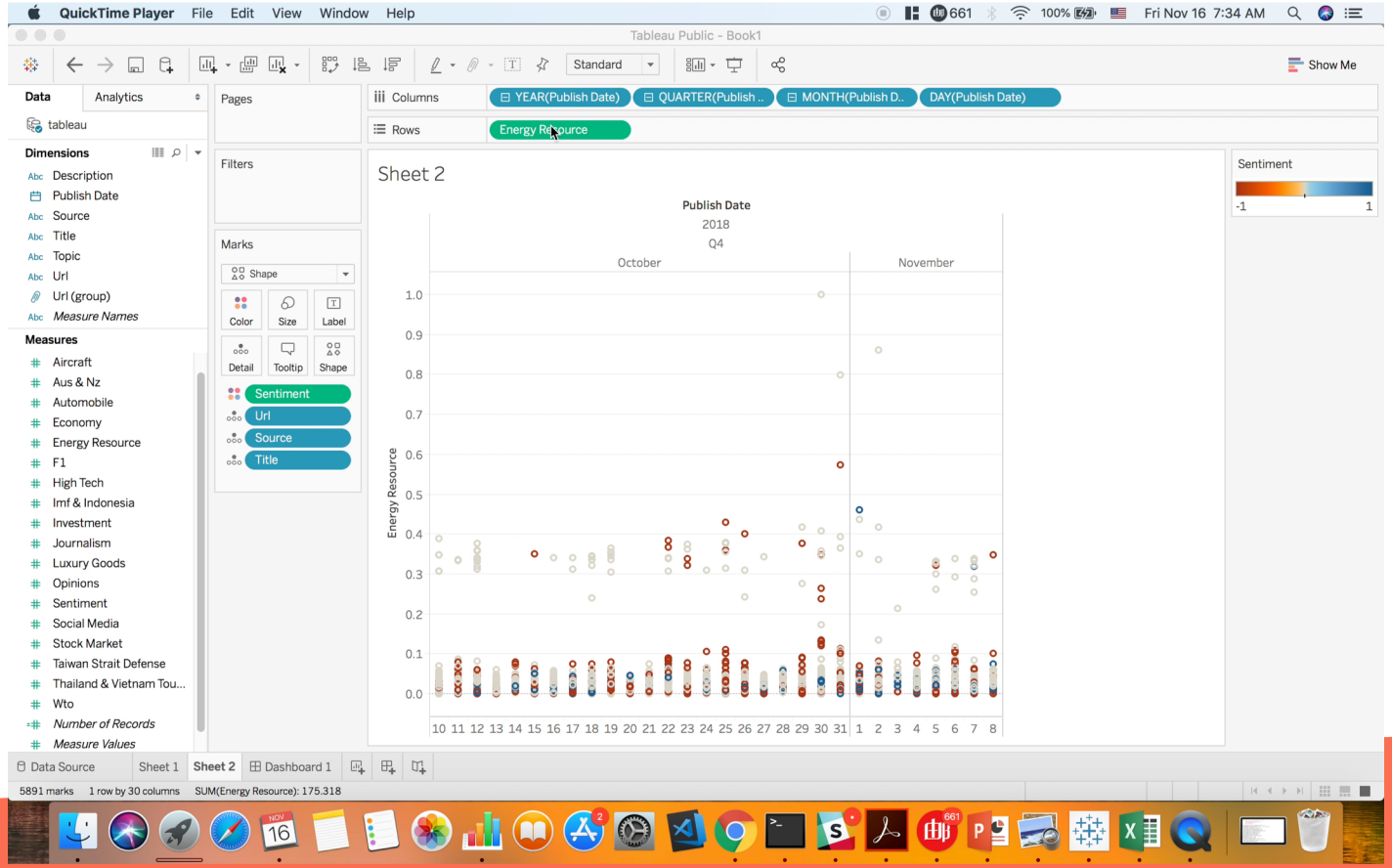


Topic Sentiment Analysis





Similarity Analysis – Interactive Dashboard



Future Work

- Use better news API if funded to do so
- Refine LDA to make topics more generalizable
- Choose typical article based on its content
- Find some intriguing clusters in Tableau
- Build a recommendation system upon users' query

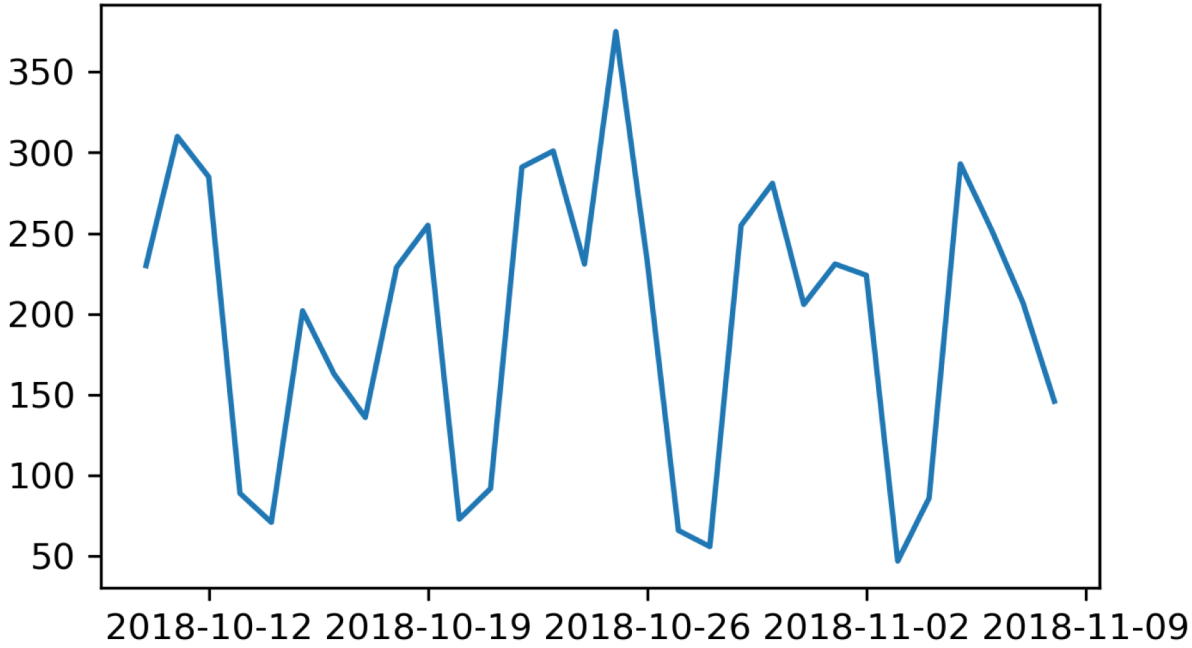
Thank you

Email: liuriguang@126.com

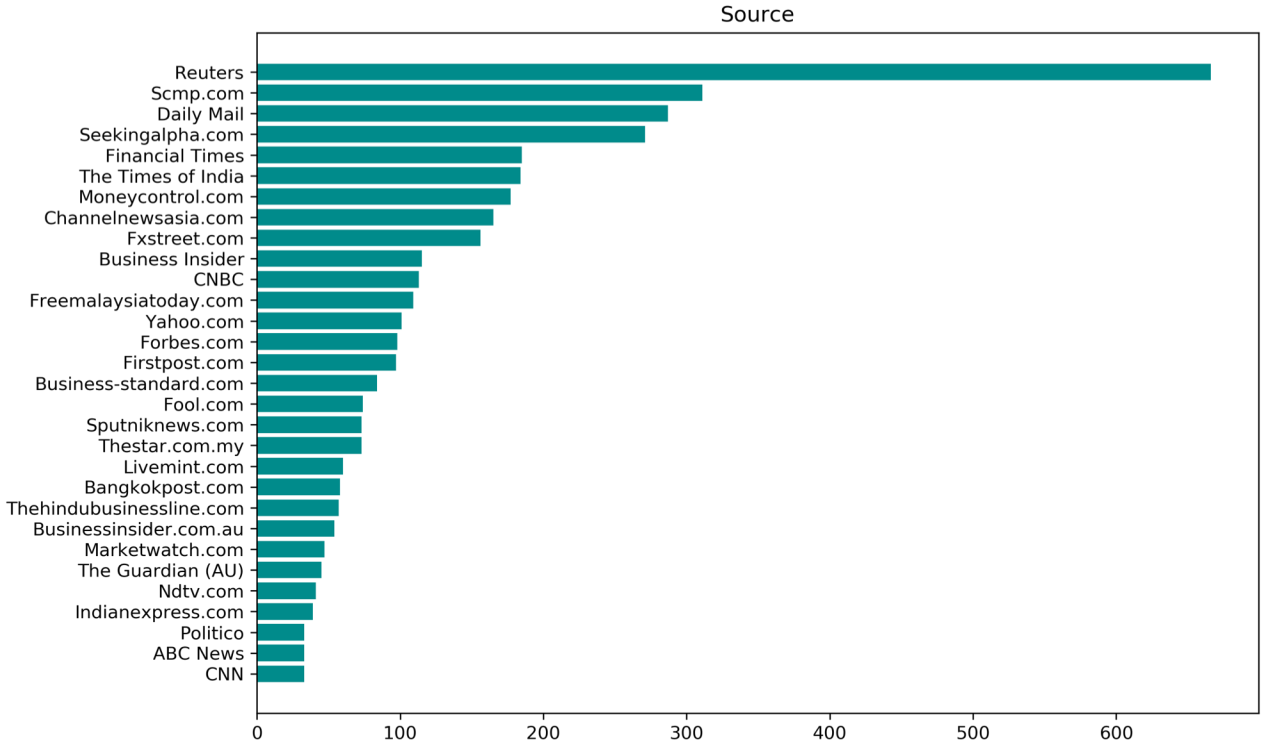
Linkedin: linkedin.com/leo2506

Github: leo2506

Appendix – Time Plot of Daily News Throughput

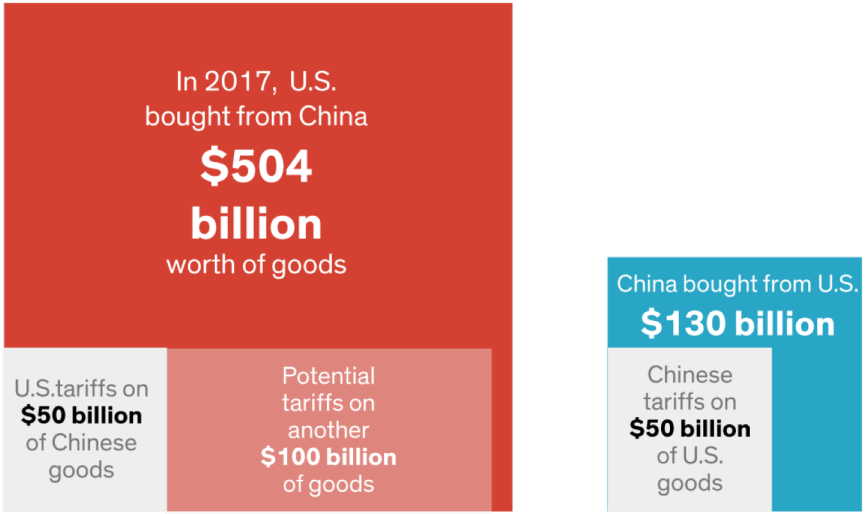


Appendix – Popular News Sources



Appendix – U.S. Census Bureau Data

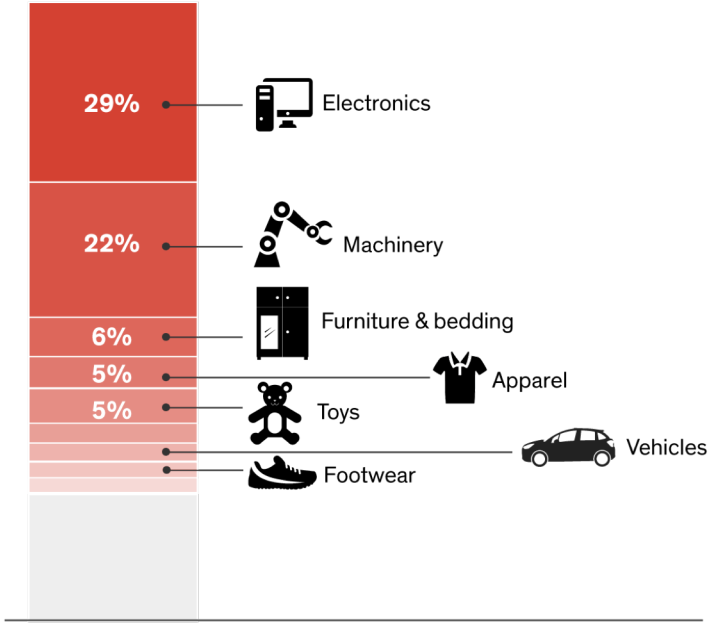
New tariffs will impact a smaller percentage of U.S. imports than Chinese imports



Data: U.S. Census Bureau

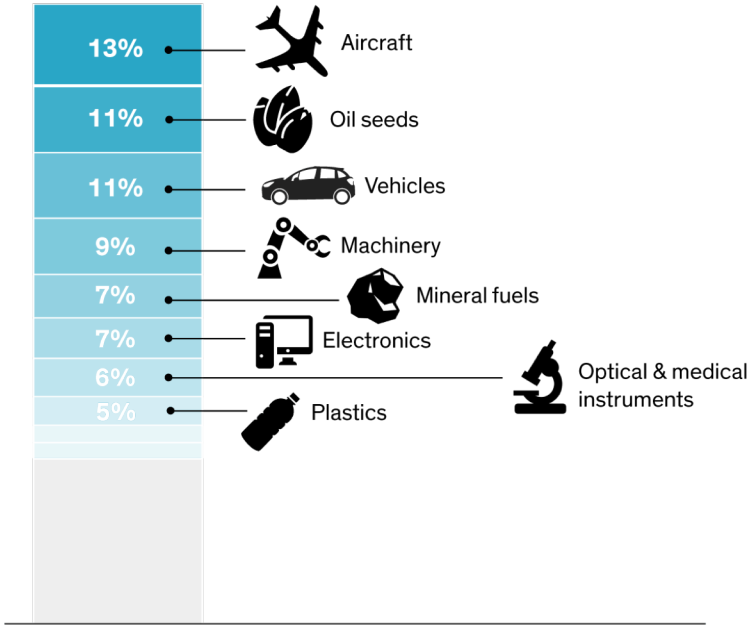
Appendix – U.S. International Trade Commission Data

The U.S. imports these products from China



Data: United States International Trade Commission

China imports these products from the U.S.

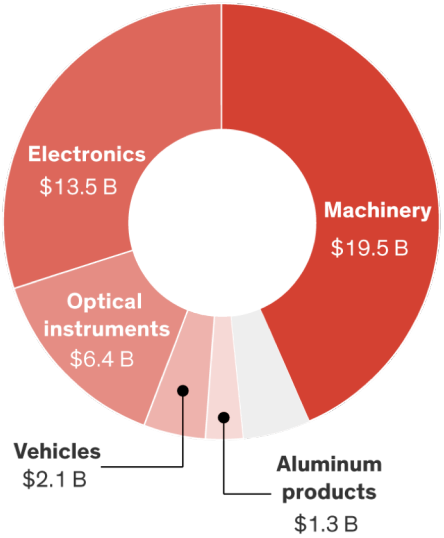


Data: United States International Trade Commission

Appendix – U.S. and China Export Amount Data

The 1300 Chinese products targeted by the Trump administration

Value of Imports from China, 2017*



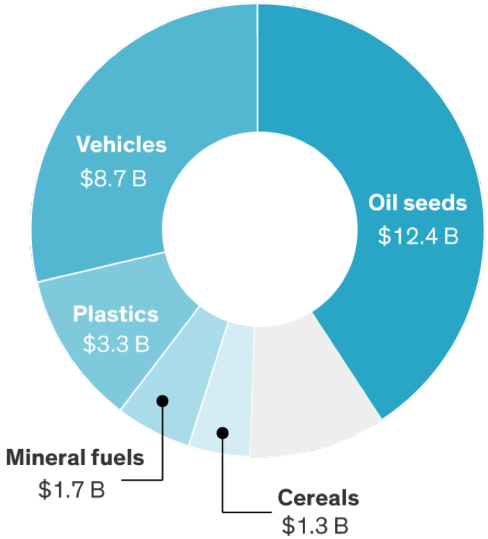
Other targeted goods

- Pharmaceutical products
- Aircraft
- Furniture & bedding
- Articles of iron or steel
- Railway locomotives
- Organic chemicals
- Iron & steel
- Rubber articles
- Arms & ammunition
- Ships
- Articles of base metal
- Inorganic chemicals
- Chemical proucts
- Clocks & watches

Data: Office of United States Trade Representative

The 106 U.S. products targeted by the Chinese government

Value of Exports to China, 2017*

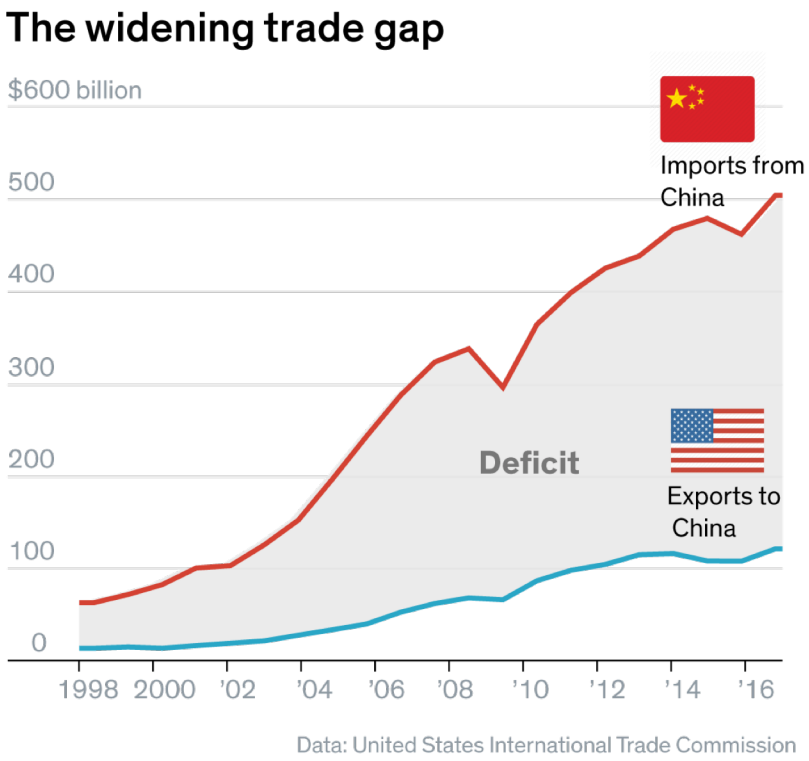


Other targeted goods

- Chemical products
- Cotton
- Soap
- Tobacco
- Albuminoidal substances
- Organic chemicals
- Residues & waste
- Preparations of vegetables
- Rubber articles
- Beverages
- Vegetable products
- Photographic goods
- Milling industry products
- Aircraft

Data: Ministry of Commerce of China

Appendix – Trade Gap



Appendix – Companies Could Suffers from Trade War

The tariffs just announced would hit only a few Boeing aircraft, but the company could be hurt by a broader trade war.

Caterpillar's fate hinges on products like steel and agricultural goods, both of which would be impacted by tariffs.

Automobiles are one of the industries that China plans to hit with tariffs.

China is both a hub for iPhone production and a growing consumer base for Apple.