

### **Michigan Trade and Trade Wars**

#### Alan V. Deardorff **University of Michigan**

For presentation at the Ann Arbor Public Library May 7, 2019



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### **National Economic Education Delegation**



#### Vision

- One day, the public discussion of policy issues will be grounded in an accurate perception of the underlying economic principles and data.

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- NEED unites the skills and knowledge of a vast network of professional economists to promote understanding of the economics of policy issues in the United States.

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- Are **nonpartisan** and intended to reflect the consensus of the economics profession.







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- Trade War
  - Solar Panels and Washing Machines
  - Steel and Aluminum
  - o Cars (threat)
  - o China
- Free Trade Agreements
  - Korea US Trade Agreement Amended
  - NAFTA → USMCA







# Features of Michigan's Trade



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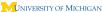
### Features of Michigan's Trade



### Michigan

- Trades more than most states
- Mostly exports and imports cars and car parts
- Trades most with Canada and Mexico





### **Top US Trading States: 2017** (Exports + Imports)

By Value, \$bil.		
1	California	613
2	Texas	528
3	New York	205
4	Illinois	201
5	Michigan	200
6	New Jersey	147
7	Florida	130
8	Georgia	129
9	Washington	126
10	Pennsylvania	122

By Average* Rank		
1	Michigan	
2	Texas	
3	Louisiana	
4	Illinois	
5	Kentucky	
6	Tennessee	
7	New Jersey	
8	Indiana	
9	South Carolina	
10	California	

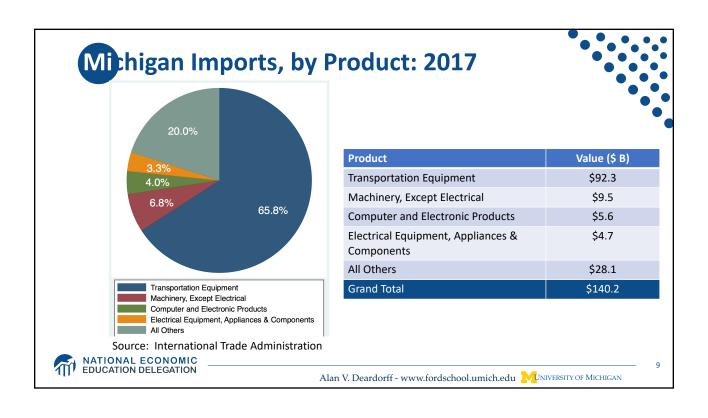
	Per GDP	
1	Louisiana	40.1
2	Michigan	39.3
3	Kentucky	38.5
4	Texas	32.1
5	Tennessee	32.1
6	South Carolina	31.4
7	Indiana	26.2
8	Illinois	24.5
9	New Jersey	24.4
10	Washington	24.1

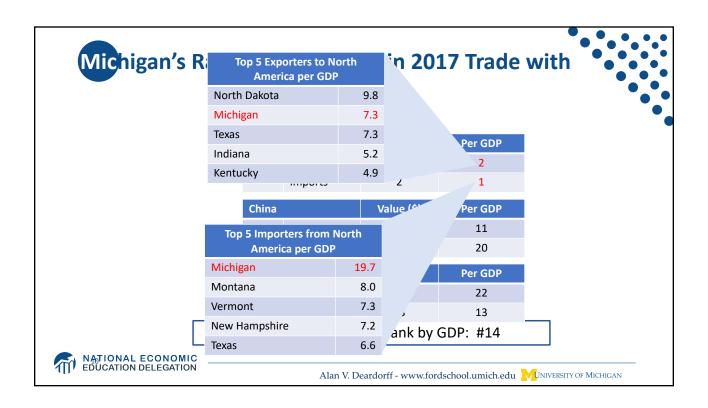
\*Weighted average, with weights 1/3 on Value and 2/3 on Per GDP



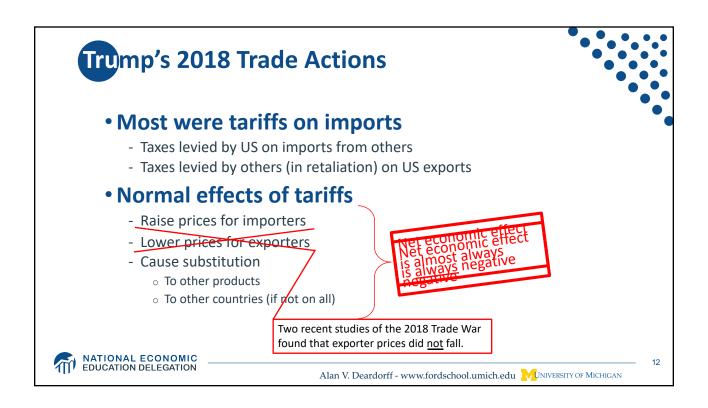
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#### Michigan Exports, by Product: 2017 29.4% **Product** Value (\$ B) **Transportation Equipment** \$29.2 48.7% \$4.9 Chemicals Machinery, Except Electrical \$4.9 **Computer and Electronic Products** \$3.3 All Others \$17.6 **Grand Total** \$59.9 Transportation Equipment Chemicals Machinery, Except Electrical Computer and Electronic Products All Others Source: International Trade Administration NATIONAL ECONOMIC EDUCATION DELEGATION Alan V. Deardorff - www.fordschool.umich.edu WNIVERSITY OF MICHIGAN













These slides will list only actions actually done.

Most had plans and threats announced in the days and weeks beforehand.



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Trump's 2018 Trade Actions



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- Jan 22, 2018: Safeguard tariffs
  - 30% on solar panels
  - 50% on washing machines





# Tariffs on Washing Machines



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### Tariffs on Washing Machines



- Whirlpool, Benton Harbor, MI, which requested the tariffs
  - o Whirlpool brands include Amana, Maytag, & more
- Other US manufacturers, such as GE, Electrolux and Frigidaire (Swedish), Equator, Speed Queen
- In 2017, Samsung and LG announced plans to build factories in South Carolina and Tennessee



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### Tariffs on Washing Machines

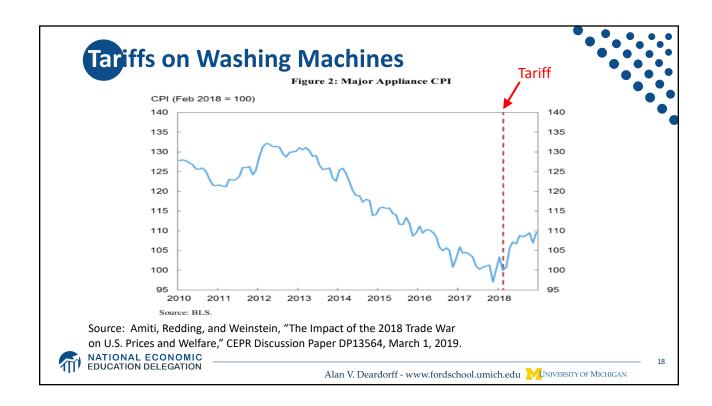


#### • Who is hurt?

- Consumers
  - Washers (and dryers!) both increased in price by about 12% (per Flaaen et al. 2019)
    - Note that the tariff was levied on washers only, not dryers]
    - "consumers bore between 125 percent and 225 percent of the costs" (NYT 4/21/19)
  - US appliance prices (I don't have graph for washing machines alone) rose 8.1% over the 12 months to Nov 2018



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#### Responses to metals tariffs

- Retaliation by China, EU, Canada, & others
- WTO disputes
  - O May-Aug: Complaints filed against US
  - OJul: Complaints filed by US



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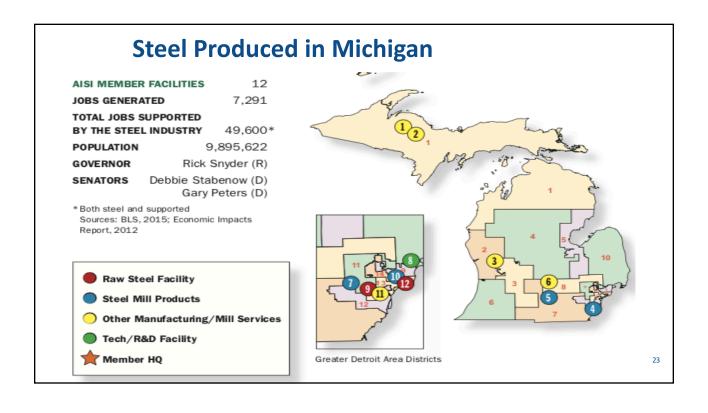
## Tariffs on Steel and Aluminum

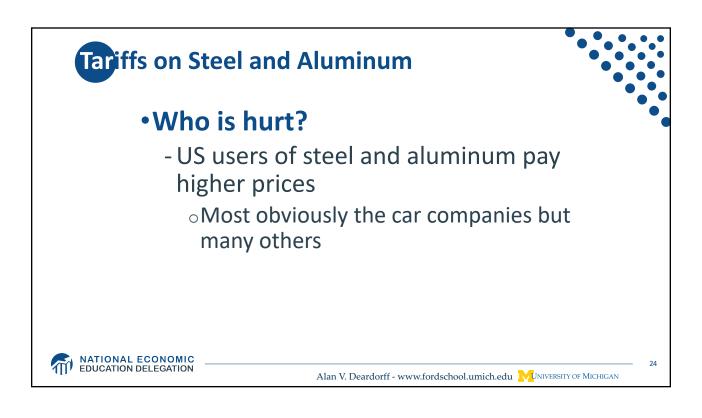


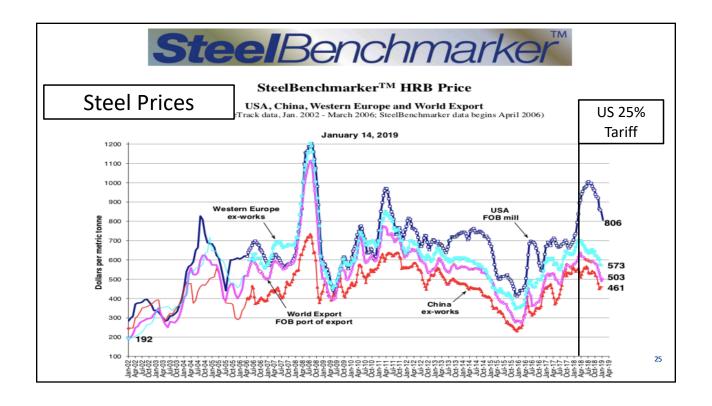


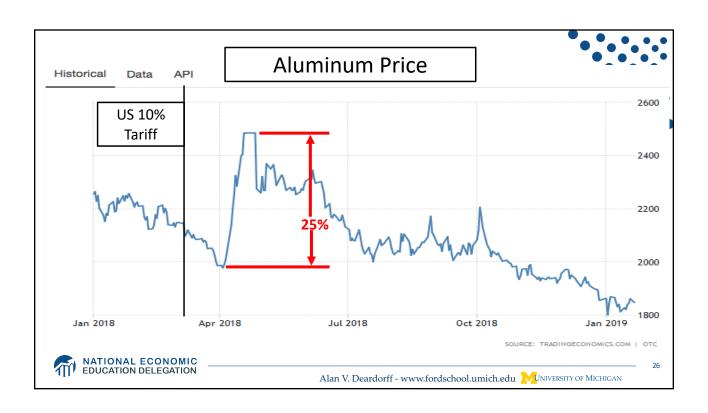
- oSteel: AISI lists 12 producers in Michigan
  - AISI = American Iron & Steel Institute
- oAluminum: Thomas lists 76 suppliers in Michigan

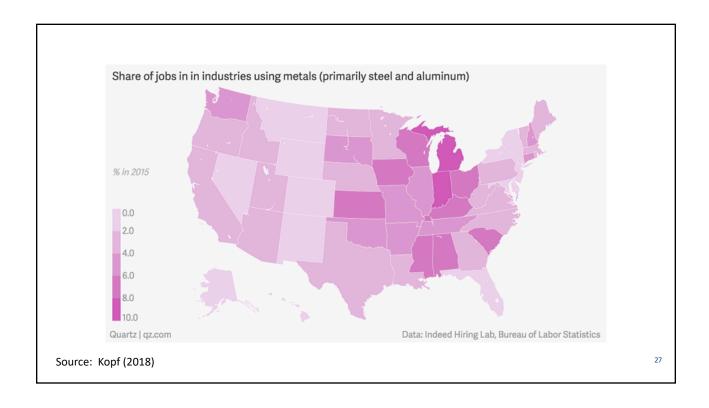
















- Jan 22, 2018: Safeguard tariffs
- Mar 1, 2018: Announces tariffs on steel and aluminum
- May 23, 2018: Initiates Commerce Dept investigation of car and car part imports



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### Tariff on Cars and Car Parts

- •Who would benefit?
  - US car companies?
    - Most (e.g., GM) are opposed
    - o I can't find objection from Ford, but others list Ford among those who object
  - US auto workers?
    - o UAW has spoken in favor of "target measures" with with understanding that broad tariffs or quotas "could cause harm" including "mass layoffs for American workers."





#### •Who would be hurt?

- Most car companies, including GM
- US car buyers



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## Tariff on Cars and Car Parts

#### **Estimated Effects on Car Sales and Prices of 25% Tariff**

	Sales	Average Price Increases (\$/unit) on vehicles sold in US		
Tariff on:	impact (units)	All	US- assembled	Imported
All imports	-2.0 M	\$4,400	\$2,270	\$6,875
Canada & Mexico exempted	−1.2 M	2,450	1,135	3,980

Source: Center for Automotive Research







### **Estimated Effects on Employment & GDP of** 25% Tariff

Tariff on:	Total US Employment	US GDP	
All imports	−714.7 K	−\$59.2 B	
Canada & Mexico exempted	−197.2 K	−15.3B	

Source: Center for Automotive Research



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## Tariff on Cars and Car Parts

#### **Estimated Effects of a 25% Tariff** on Revenue & Employment in **New Car Dealerships**

<u>-</u>				
	Dealership Revenues			ership oyment
Tariff on:	Total	Per D'ship	Total	Per D'ship
All imports	−66.5 B	-4.0 M	−117.5 K	<b>-</b> 7
C & M exempted	-39.1 B	-2.3 M	−50.5 K	-4

Source: Center for Automotive Research







#### Where we stand:

- Commerce Dept. sent report to Trump Feb 17
  - Not public, but said to include several options for tariffs
  - o Trump has 90 days to decide
- FT Jan 22: "president was leaning towards slapping tariffs on automotive imports, in the hope of forcing Brussels to further open the EU market to American farm products."



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- Mar 1, 2018: Announces tariffs on steel and
- May 23, 2018: Initiates Commerce Dept investigation of car and car part imports
- Jul 6, 2018: First tariffs on China, \$34 billion
  - On \$34 billion of China exports to US
  - Based on unfair trade practices in intellectual property (IP)



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China

- Concerns about China's IP practices pre-existed Trump
  - Theft of technology secrets
  - Forcing investors in China into joint ventures and sharing technology
- Prior to Trump, complaints had been voiced by US and EU, but nothing had been done
- US initiated investigation under Section 301 of US trade law (unfair trade practices)
  - Aug 18, 2017: Investigation initiated
  - Mar 22, 2018: Report finds unfair trade and recommends tariffs
- Since then, Trump has announced and then implemented multiple rounds of tariffs



### Trump's Trade Actions

- Mar 1, 2018: Announces tariffs on steel and
- May 23, 2018: Initiates Commerce Dept investigation of car and car part imports
- Jul 6, 2018: First tariffs on China, \$34 billion
- Aug 23, 2018: Second tariffs on China, \$16 billion
- Sep 24, 2018: Third tariffs on China, \$200



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- US tariffs on \$34 billion Jul 6 were matched that day by China tariffs on \$34 billion of US exports
- US tariffs on \$16 billion Aug 23 were matched that day by China tariffs on \$16 billion of US exports
- US tariffs on \$200 billion Sep 24 were less-thanmatched by China on \$60 billion of US exports
- Trump said he'd use tariffs on still more (\$267 billion), approaching all of China's exports to US o Did not do that; delayed for China-US trade talks





#### • What's the point?

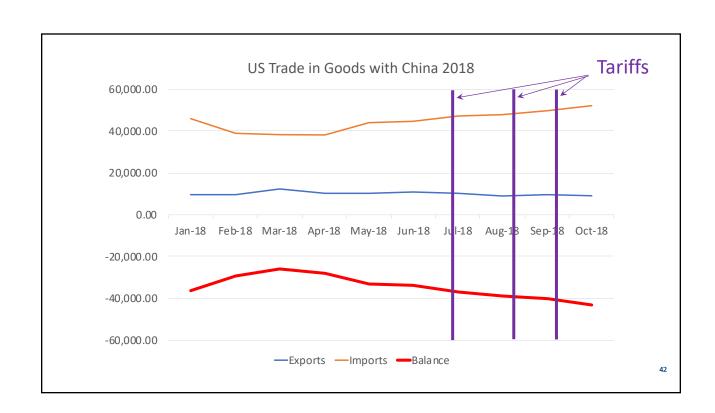
- To get China to stop its IP practices?
- To reduce the US bilateral trade deficit with China?
- To stop China's rise as an economy and as a world power?

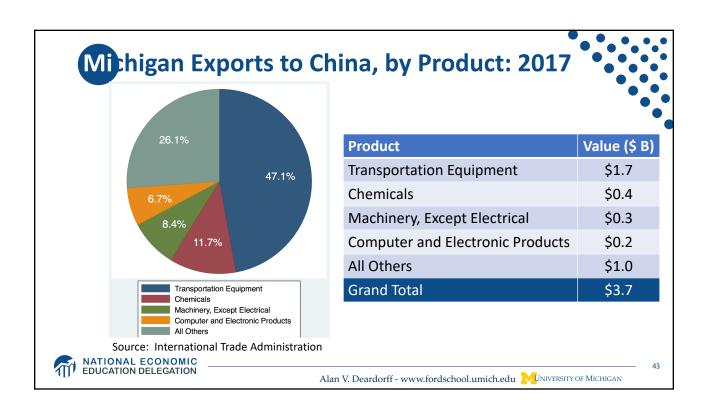
#### • Who will "win"?

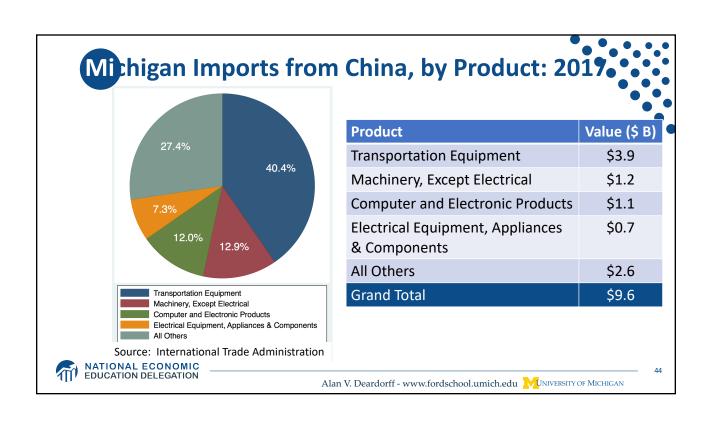
- Nobody! Everybody loses from tariffs
- Trump says it's "easy to win" because he measures success from trade deficit



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#### Bottom line for Michigan

- Trade war with China does not appear to hurt Michigan any more than most states
- Michigan's exports to China won't respond much to China's tariffs
  - o (Compare to soybean exporters, who compete with Brazil)
- Michigan's imports from China are mostly similar to other states'
  - Some can be bought from other countries



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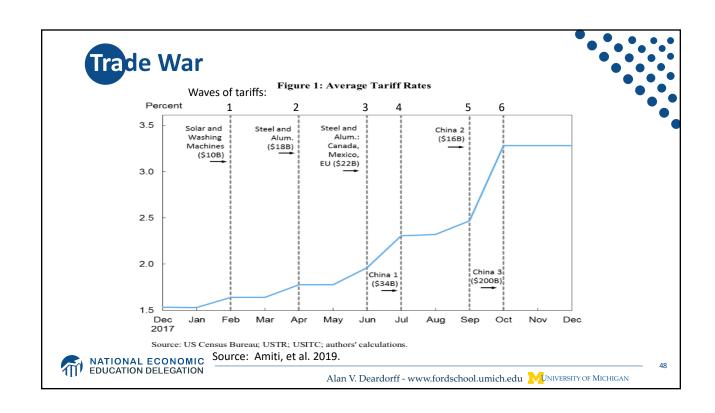


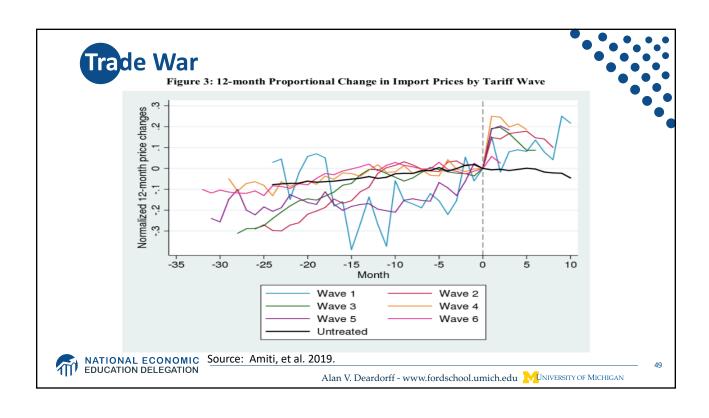
#### Effects of the 2018 Trade War

- US average tariffs rose, in 6 waves
- Prices of imports in US rose
- Quantity of imports fell
- Number of imported varieties fell

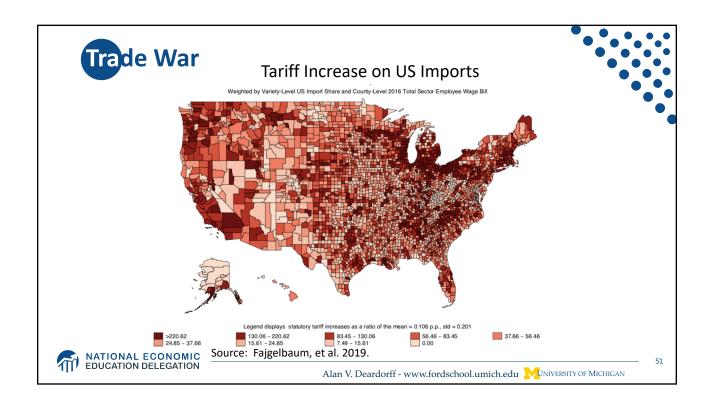
Source: Amiti, Redding, and Weinstein, "The Impact of the 2018 Trade War on U.S. Prices and Welfare," CEPR Discussion Paper DP13564, March 1, 2019.

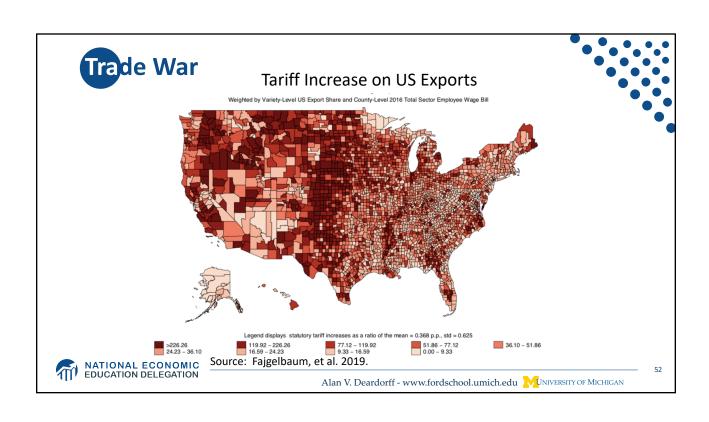


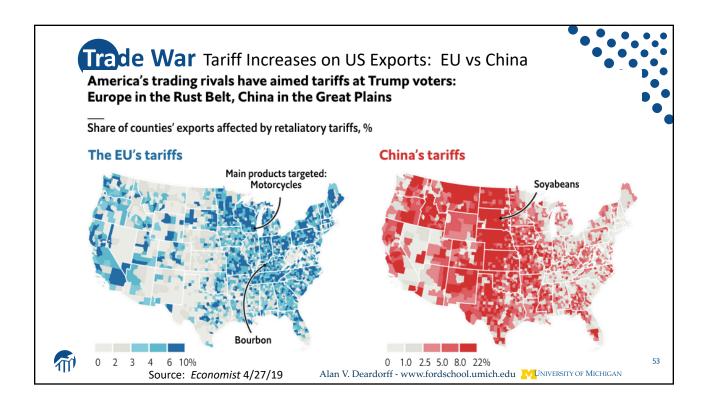
















#### China-US Trade Talks, I

- Talks began in May 2018, in response to Trump's threat of tariffs
  - oChina promised to import more from US and allow more foreign investment
  - Said to have "averted trade war"
  - oBut then talks broke off in early June
- Trade war with China Jul, Aug, Sep 2018



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### Trade Talks

#### China-US Trade Talks II

- Oct 2018: US and China postured about renewing trade talks
- Nov 1, 2018: New round of talks began with phone call from Trump to Xi
- Dec 2, 2018: G20 Summit dinner agrees truce: No more tariffs while talks continue
- Talks are still underway, but said to be approaching a deal





#### China-US Trade Talks II: Calendar

- Nov 9: He & Mnuchin talk by phone

- Jan 7-9: Talks in Beijing - Jan 30-31: Talks in DC

- Feb 11-15: Talks in Beijing

- Feb 21-24: Talks in DC

- Mar 28-29: Talks in Beijing

- Apr 3-5: Talks in DC

- Apr 23-?: Talks in Beijing

- May 8-?: Talks in DC

Source:



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#### Trade talks all Exploring deal Accord is near open Closer to ade Talks II: Headlines Feb 21, FT: A potential ne hag in the U final trade S., China Exploring Nov 29 W 'Miles' from Feb 23, WSJ: China Trade ks Extended np Names Lighthia Dec 4, WSJ: T to Close the Deal Dec 30, FT: Chin, and US hail 'pos Feb 28, WSJ: U.S. Drops Threat of 25% Ta Goods in Sign That Accord Is Near agreement a trade deal Jan 7, WP: <u>Trade talks open</u> in Beij U.S.-China dispute Talks could stretch fer few China Jan 9, FT: Chir after talks details Trade deal a Quick Jan 22, FT: US reparatory trude talks for 'months' Jan 24, FT: US ays US <u>'miles'</u> from a trade ertime, With nearing Mar 18, NYT: Trade Fight deal with Chi Tariffs a Costly Sticking Point Jan 29, WSJ: Big Divides Remain as China Trade Talks Resume Mar 28, FT: US-China trade talks could stre Jan 31 na trace talks 'going well' Apr 3, FT: US and China draw closer to final trade little sign -China Trade Deal Nearing Feb 6, utline of a Feb 13 of progress with little si Final Round Feb 16, WSJ: Chinese, U.S. Trade Negotiators Inch Toward a Broad ng of China Will Visit Soon, Apr 26, NYT: Trump Says Xi Stirring Anticipation of a Completed Trade Deal NATIONAL ECONOMIC 111 EDUCATION DELEGATION Alan V. Deardorff - www.fordschool.umich.edu Winiversity of Michigan



#### China-US Trade: Issues of Negotiation

- Government subsidies to state-owned companies
- Chinese purchases of U.S. farm and energy products and services
- China's market-opening efforts in sectors such as financial services and manufacturing
- Improving its protection of U.S. intellectual-property rights
- Pressure on U.S. companies to share technology
- Industrial policies that favor state-controlled companies
- Currency stability
- Regulatory relief for foreign companies in China
- How to enforce any agreements on the above
  - o Reimpose tariffs, or
  - Leave them in place



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### Trade Talks

#### What Might a China-US Trade Deal Include?

- US wants (per FT, 3/25/19):
  - Huge Chinese purchases of US exports, to reduce US trade deficit
  - Liberalization of market access for US goods and services
  - Reform of Chinese industrial policy, especially "forced transfers" of IP
  - US permitted to use punitive tariffs if these are violated, without China retaliating or complaining to WTO
- China wants:
  - Removal of US tariffs



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#### Latest News

- On Sunday May 4, Trump tweeted that he would
  - ∘ Raise tariffs on Friday from 10% to 25% on the \$200 billion from last year
  - o Impose 25% tariffs on the rest of China exports if China does not accept his demands
  - o Reason: China backtracking on promise to reduce subsidies
- China's negotiators are coming to DC anyway



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### Trump's Trade Actions

- Aug 23, 2018: Second tariffs on China, \$16 billion
- Sep 24, 2018: Third tariffs on China, \$200 billion
- Sep 24, 2018: Amended KORUS signed
- Sep 30, 2018: USMCA agreed
  - NAFTA renegotiation had completed previously with Mexico
  - Now Canada signed on, and name changed (by Trump) to USMCA
  - USMCA: U.S.-Mexico-Canada Trade Agreement



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### NAFTA → USMCA

#### NAFTA is

- Free Trade Agreement (FTA)
  - o Zero tariffs on goods traded by US, Canada, Mexico
  - o Only if they satisfy Rules of Origin (ROOs)
- Additional provisions regarding many things
  - Services trade
  - o Foreign direct investment
  - o Intellectual property rights
  - Dispute settlement
  - o Government procurement





### USMCA will be (if approved)

- FTA with stricter ROOs
- Some changes in NAFTA's additional provisions
- New rules for environment, labor, financial services, digital trade
- Weakening of Canada's dairy barriers
- Discouragement of trade with China
- Provision for renegotiation (sunset)



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### NAFTA → USMCA

### Most important for Michigan: Tighter **ROOs for cars and car parts**

- North American content increased from 62.5% to 75%
  - o Intended to reduce inputs from outside N. America, likely benefiting Mexico
- New requirement that 40-45% of content must be from labor paid \$16/hr or more (but does not rise with inflation)
  - o Intended to reduce inputs from low-wage Mexico, benefiting US and Canada





### Effects of tighter ROOs

- If ROOs are
  - Satisfied: Higher costs of production
  - o Not satisfied: Tariffs on traded inputs and final products
- Either way
  - o Prices rise
  - Demand falls
  - o Products become less competitive internationally
- Effects on demands for labor ambiguous throughout



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#### Will USMCA be ratified?

- Needs ratification in all three countries
- In US, there are problems
  - Democrats want changes
    - Stronger enforcement of labor provisions
    - · Remove tariffs on steel and aluminum
  - o Approval requires a report from USITC, delayed by government shutdown, but was issued Apr 18
- Trump threatens to issue six-month withdrawal notice from NAFTA





#### USITC Report Main Findings

- Positive impact on US real GDP and employment
  - Raise GDP by 0.35%
  - o Raise employment by 0.12 %
- Most significant effects from
  - Reduced uncertainty in digital trade
  - o Rules of origin in auto sector
- Auto sector
  - Increase in US production
  - o Small increase in prices and reduced demand



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#### News from Michigan

- April 24, MLive:

Trump's trade deal wins big praise from Michigan's Big Three automakers









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Conclusion



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- Trump's trade actions in 2018
  - In all states, but especially Michigan
    - Raise prices to consumers
    - Raise costs to producers
  - Alienate other countries





#### • May they serve any purpose?

- Not to reduce trade deficit(s)
  - o Tariffs may reduce both exports and imports
  - oThey do not change overall trade balance
  - oMar 6, 2019, NYT:
    - "The United States trade deficit in goods ballooned to its largest level in history, reaching \$891.3 billion in 2018, despite President Trump's repeated promise to reduce that figure."



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## Conclusion

### • May they serve any purpose?

- Perhaps to motivate other countries to change policies for the better
  - oUS is negotiating with
    - · China, to change their IP policies and increase imports from US
    - EU and Japan to open to more imports of agricultural goods from US







### **Any Questions?**

Alan V. Deardorff
Ford School of Public Policy
University of Michigan

www.NEEDelegation.org



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