

## **Contemporary Trade Issues**

OLLI, Santa Clara University May, 2022 Adina Ardelean, Ph.D.





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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.

### Mission

 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.

### NEED Presentations

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



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## Honorary Board: 54 members

- 2 Fed Chairs: Janet Yellen, Ben Bernanke
- 6 Chairs Council of Economic Advisers
  - o Furman (D), Rosen (R), Bernanke (R), Yellen (D), Tyson (D), Goolsbee (D)
- 3 Nobel Prize Winners
  - o Akerlof, Smith, Maskin

## • Delegates: 645+ members

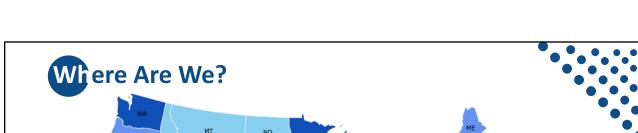
- At all levels of academia and some in government service
- All have a Ph.D. in economics
- Crowdsource slide decks
- Give presentations

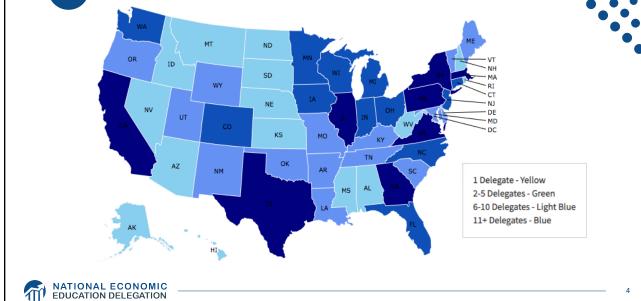
### Global Partners: 48 Ph.D. Economists

- Aid in slide deck development



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# **Credits and Disclaimer**



- Peter Eppinger, University of Tübingen
- James Lake, Southern Methodist University
- Michael Plouffe, University College London
- Swati Verma, ISID, New Delhi

## • This slide deck was reviewed by:

- Alan Deardorff, University of Michigan
- Ed Leamer, UCLA

#### Disclaimer

- NEED presentations are designed to be nonpartisan.
- It is, however, inevitable that the presenter will be asked for and will provide their own views
- Such views are those of the presenter and not necessarily those of the National Economic Education Delegation (NEED).



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- Globalization
- International Trade
- Offshoring
- The Benefits and Costs of Trade
- The U.S. Trade Deficit



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s-border

- The growing interdependence of the world's:
  - Economies
  - Cultures
  - Populations

- Brought about by cross-border flows of:
  - Goods and services
  - Technology
  - Investment
  - People
  - Information



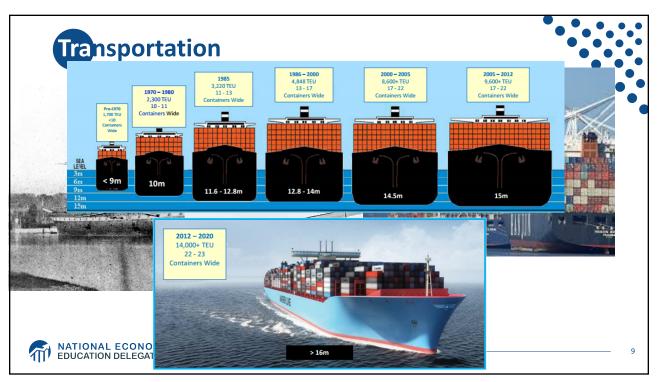
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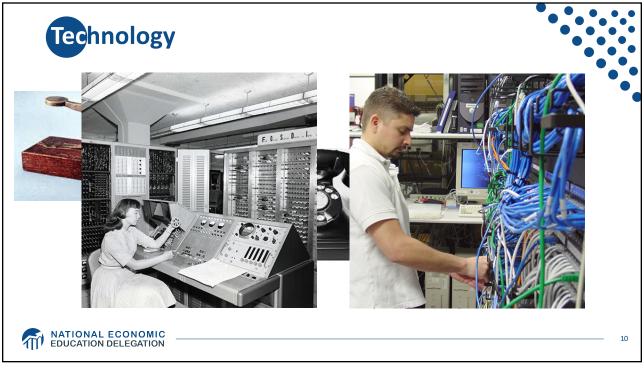




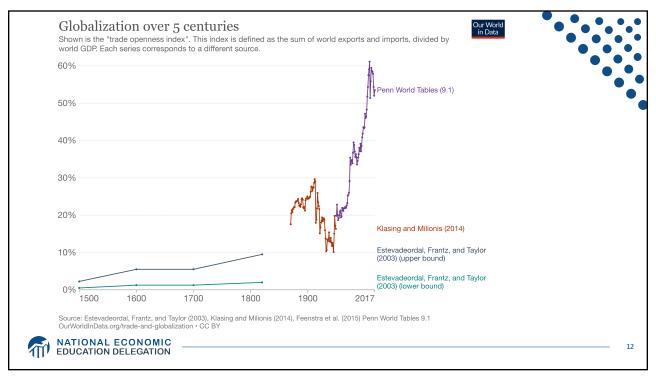
- Transportation
- Technology
- International Cooperation

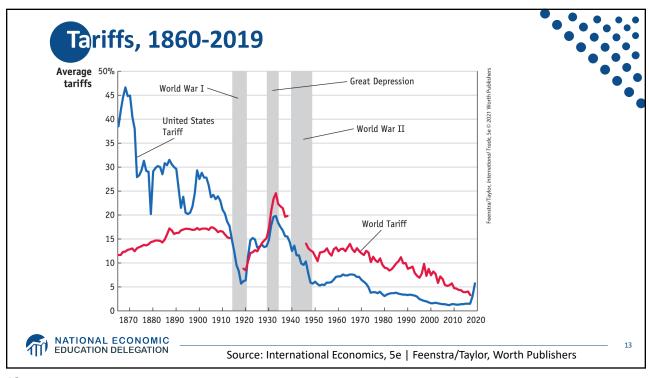






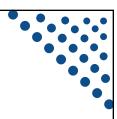








# Russia – Ukraine War



## How the war affects globalization

- The war and trade sanctions disrupt trade (wheat, oil)
- Financial sanctions by governments disrupt financial linkages
- Private companies cease or reduce their operations in Russia



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# Russia and Ukraine Trade



#### • Russia's trade in 2019:

- Total trade represents a small share of world trade (1.7%).
- Trade(% of GDP): 49.44%
- Fuels represent 51.95 % of their exports.
- Top 5 destinations are: China, Netherlands, Germany, Belarus, Turkey
- Top 5 exporters: China, Germany, Belarus, United States and Italy.

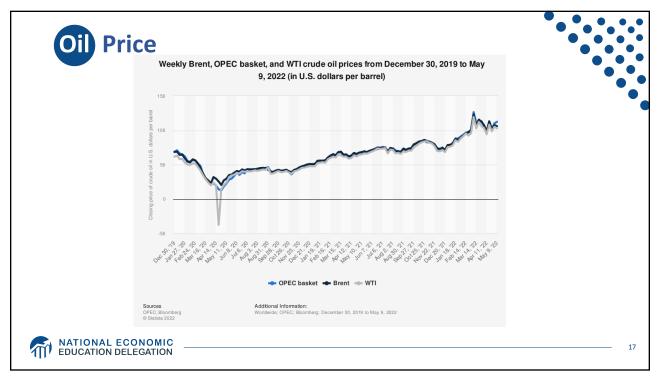
### • Ukraine's trade in 2018:

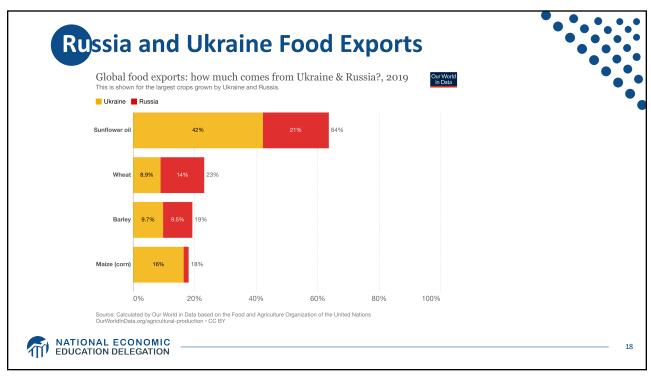
- Trade (% of GDP): 90.41%
- Top export products: cereals (sunflower, wheat, maize) and metals
- Top 5 destinations are: Russia, Poland, Italy, Turkey, and Germany
- Top 5 exporters: Russia, China, Germany, Belarus, and Poland

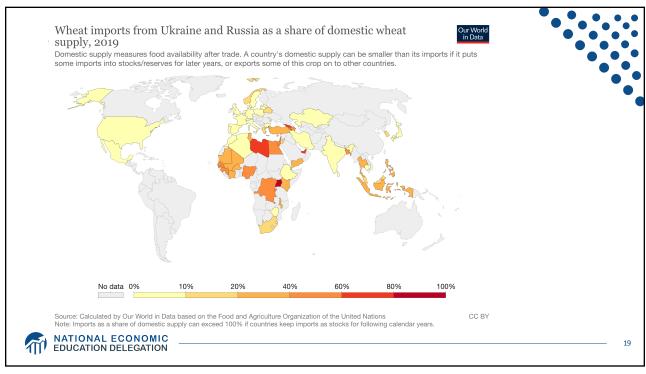


Data Source: World Integrated Trade Solution

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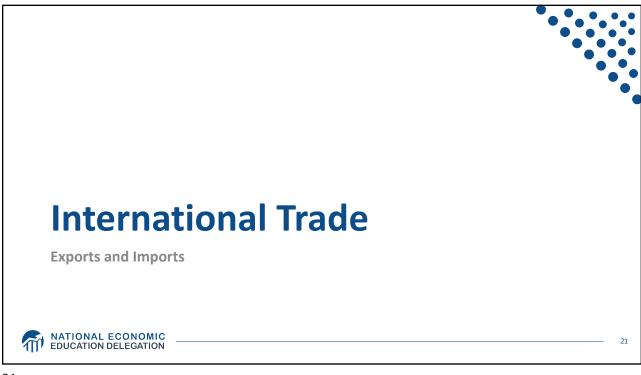
# **Effect of Sanctions**

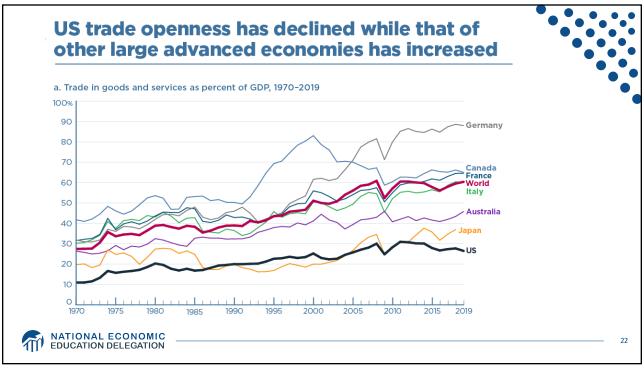


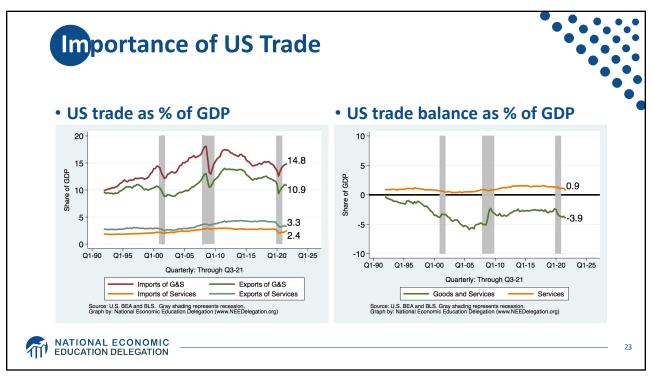
- It too early to say whether the sanctions will work.
- · Past sanctions have sometimes worked.
- Preliminary evidence suggests that the Russian economy is holding up (The Economist, May 2022):
  - Russian consumer prices have increased by more than 10%.
  - The Russian economy is shrinking (predicted 5% GDP decline)
  - The rouble is back to its level before the war started (bolstered by capital controls and high interest rates)
  - Since the invasion, Russia exported at least \$65 billion dollars worth of fossil fuels
- If Russia becomes more isolated, these unprecedented sanctions will get Russia to withdraw, but it is not guaranteed.

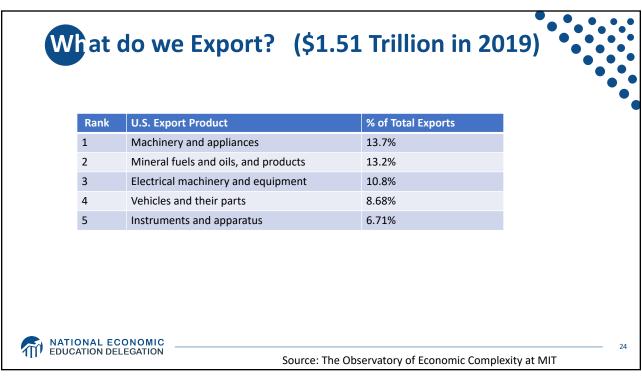


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# What do we Import? (\$2.37 Trillion in 2019)

Rank	U.S. Import Product	% of Total Imports
1	Machinery and appliances	15.7%
2	Electrical machinery and equipment	13.9%
3	Vehicles and their parts	13%
4	Mineral fuels and oils, and products	8.34%
5	Pharmaceutical products	5.35%



Source: The Observatory of Economic Complexity at MIT

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# Top US Trade Partners (Goods, 2019)



Rank	<b>Export Destination</b>	% of Total Exports
1	Canada	16.8 %
2	Mexico	15.6 %
3	China	6.82 %
4	Japan	4.61 %
5	Germany	3. 91 %

## • Top 5 US import sources

Rank	Import Source	% of Total Imports
1	China	18.1 %
2	Mexico	15.2 %
3	Canada	13.2 %
4	Japan	5.6 %
5	Germany	5.47 %



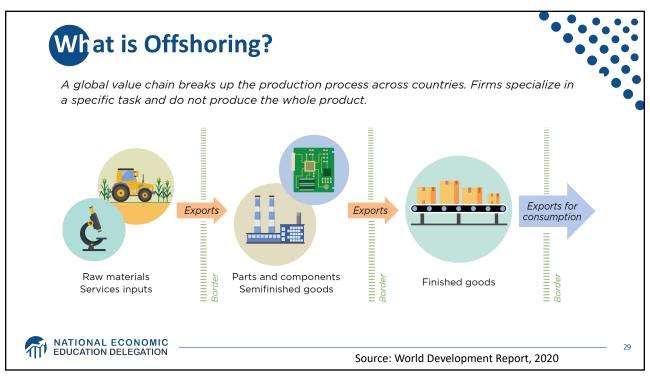
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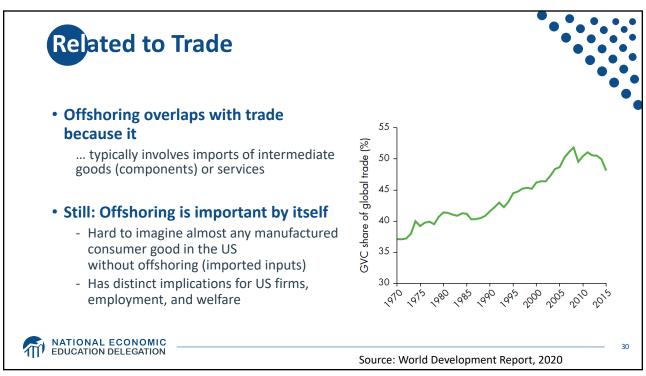


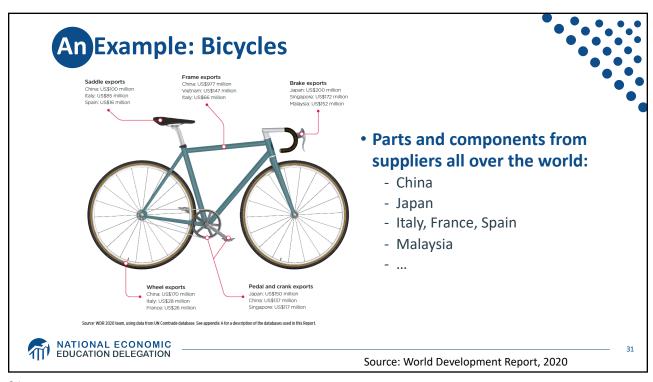
# **Global Value Chains (Offshoring)**

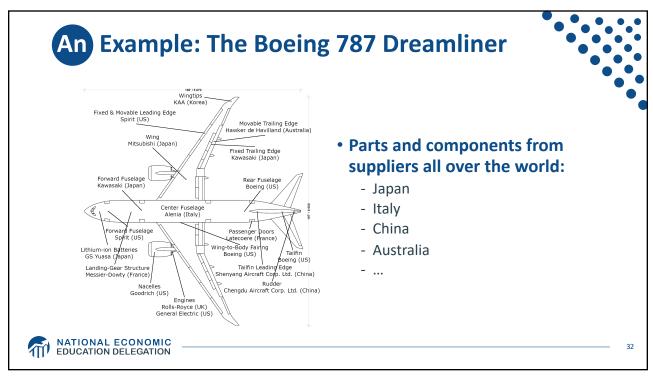


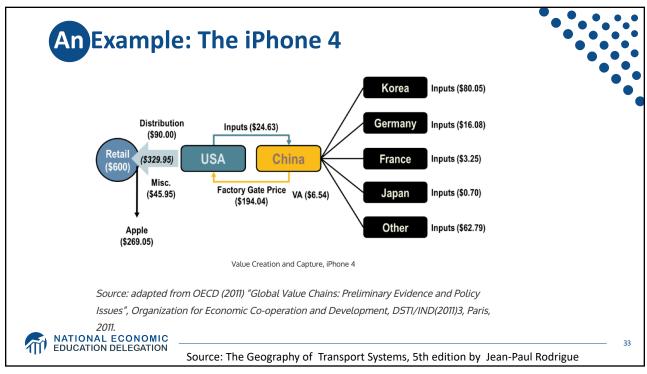


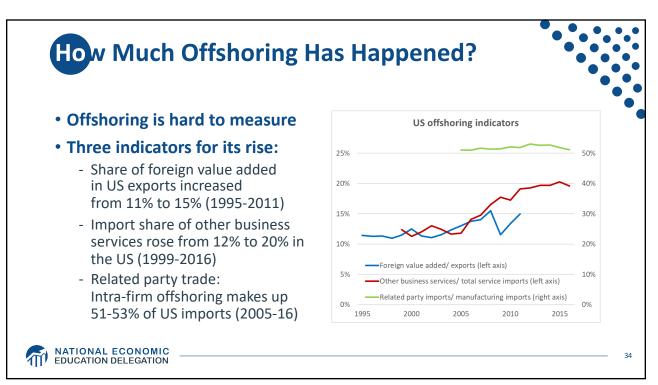


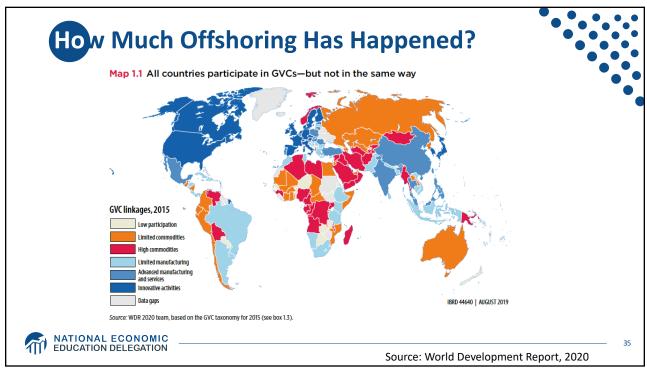
















## Why Might Efficiency Differ Across Countries?

- Labor
  - Skilled or unskilled
- Technology
  - Some countries have firms that produce some goods well
  - Other countries have firms that produce other goods well
- Environment
  - Cold/Warm

Wet/Dry

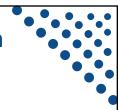
Sunny/Cloudy

- Land
  - Rocky, soil, fertile, barren
  - Tundra, desert, grasslands, forest



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## **Comparative Advantage and Specialization**



### Comparative advantage

- Scarce resources: can't produce unlimited amounts of goods
- Export goods where production advantage largest (or disadvantage weakest)
- Non-econ example: Babe Ruth
  - Top pitcher during 1916-1918. But best hitter of all time!
    - Scarce resources: training time
    - o Post 1918, Babe Ruth specialized as hitter
- Econ example: US-UK trade in 1951
  - For same output, US used less resources than UK in each of 26 manuf sectors!
  - But, US net exporter to UK only for sectors where it's advantage largest
  - UK net exporter to US for goods where it's disadvantage weakest



## **Benefits of Specialization**



- For goods where US production advantage weakest...
- US can consume these goods by either
  - 1. Importing them from UK
  - 2. Producing them and reducing production of goods exported to UK
- Key point
  - US can consume more of these goods by importing them from UK
- Analogous story true for UK
  - Trade increases size of economic pie for both countries



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## **Comparative Advantage - Summary**

Study.com



- There are exceptions.
  - Varieties and competition
  - May find countries trading the same goods back and forth.



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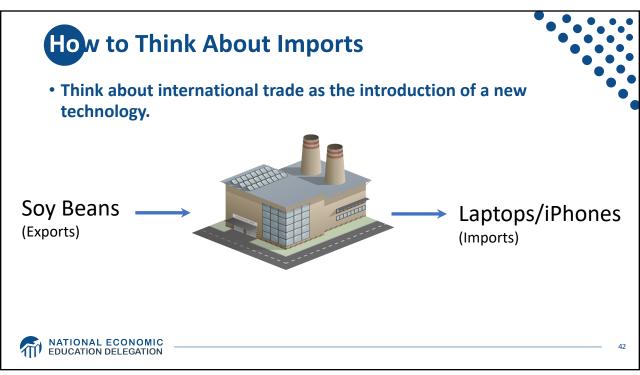
# Trade Contributes to Growth

- EFFICIENCY:
  - Allocates production across countries efficiently so that countries can specialize in what they are best at producing.
  - Most productive firms expand and export
- Varieties
  - More choice for consumers.
  - Better inputs for our production.
- Competition
  - Brings in cheaper goods.
    - o Makes consumers better off.
- Economies of Scale
  - Trade makes some industries bigger, more cost efficient. Lowers prices.





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## Why Do Firms Engage in Offshoring?



- Main motive for offshoring: Costs savings
  - → Firms benefit from international specialization along global value chains
- Typically US firms seek cheap labor → Prime offshoring destinations: Low-wage countries like China (14%) and Mexico (10% of US imports of intermediate goods in 2011)
- Classic examples:
  - Automotive parts offshored to Mexico
  - Call centers offshored to India
- But also: Access to raw materials, intermediate goods, or specific technologies → EU (20%) and Canada (17%)



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# Why is the public turning against trade?



- Not always noticeable by consumers. Why are prices lower at WalMart?
- Not always that large per consumer: consumers might save \$50/year on some imported goods
- For 300 million consumers, \$50/year would be \$15 billion per year savings to the country!
- Costs of trade are very high for some workers and groups, and these costs have not been sufficiently appreciated or addressed by policymakers (or economists!)





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# **Distributional Impacts of Trade: Basic Insights**

#### Previous slides

- Trade increases "the size of the pie" for each country
- Ignores how trade impacts distribution of the pie in each country

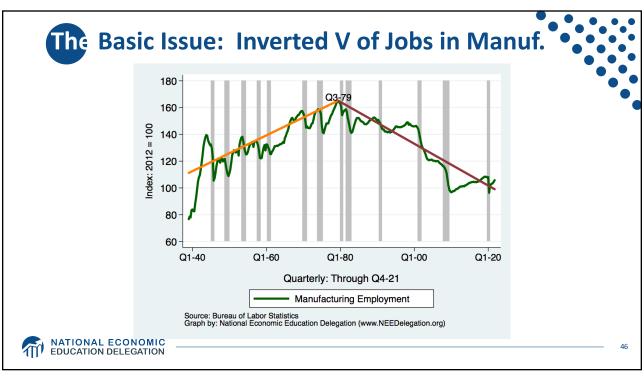
## Basic insights from trade theory

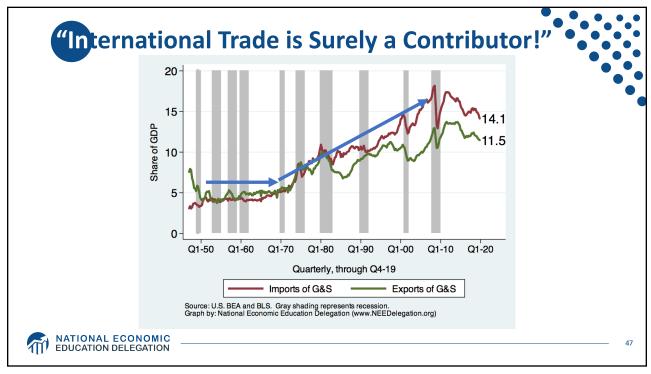
- If trade decreases demand for a factor, it generally loses from trade
  - o Factors "stuck" in import-competing locations/industries
  - o Mobile factors but used intensively in import-competing locations/industries
- If trade increases demand for a factor, it generally benefits from trade
  - o Factors "stuck" in exporting locations/industries
  - o Mobile factors but used intensively in exporting locations/industries
- Trade benefits consumers via lowers prices of imported goods
  - o Some consumers may benefit more than others

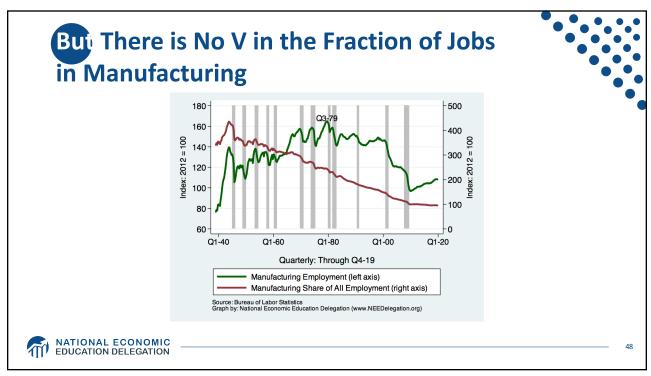


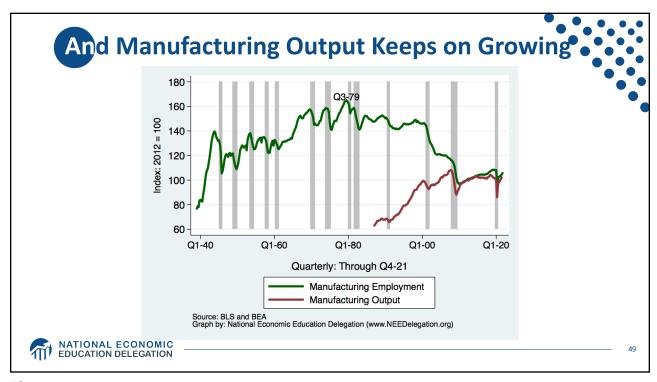
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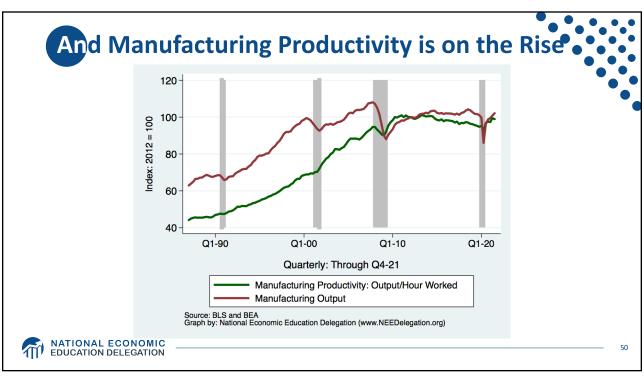
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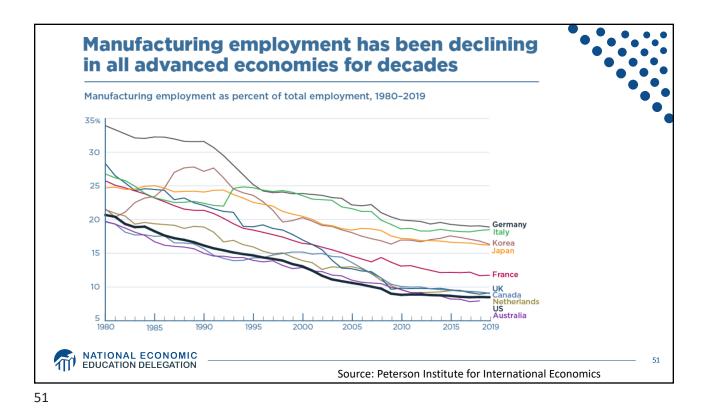












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**Another Problem: Trade Deficit in 2021** 



- Massive Trade Deficit
  - 3.7% of US GDP
  - \$859.1 billion (goods and services)
  - \$1,090 billion (goods)
- Massive Trade Deficit with China
  - \$355.3 billion (goods)

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Source: Bureau of Economic Analysis, Dept. of Commerce

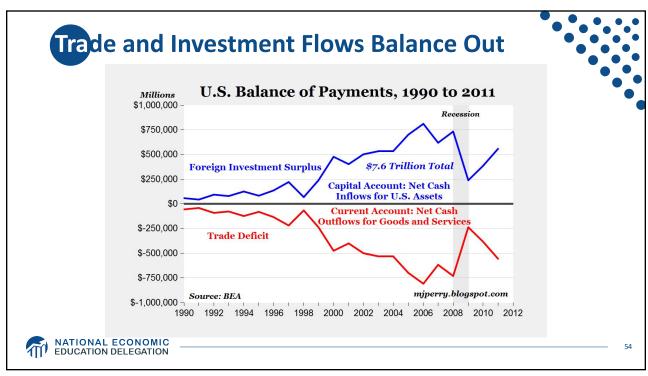




- A trade deficit is when:
  - VALUE of imports > VALUE of exports.
- Why does this happen?
- International transactions include:
  - Imports and exports of goods and services
- Current Account
- ALSO: imports and exports of assets (investments) Capital Account
- The TRADE DEFICIT only looks at the Current Account



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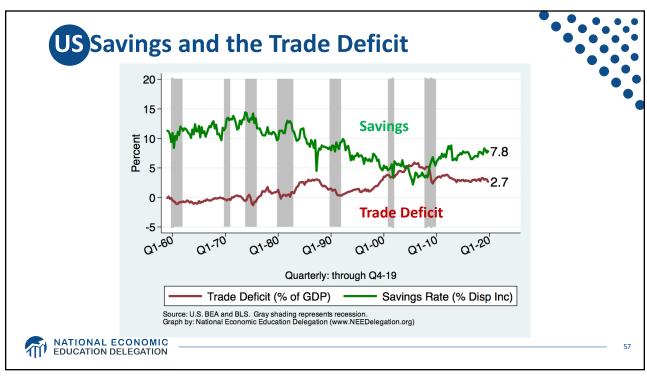
## Balanced Budgets & Increased Savings

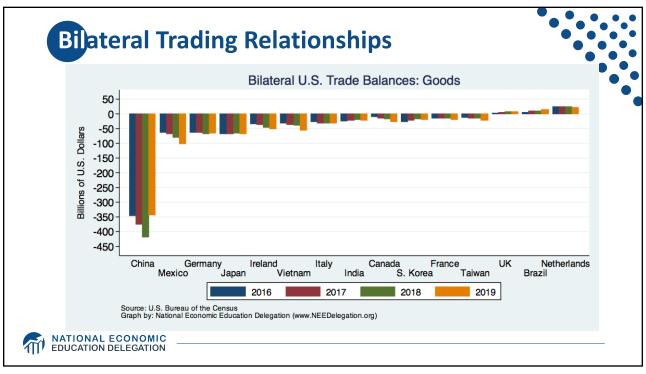
- Reducing federal borrowing would
- Reducing federal borrowing would reduce pressure on trade deficits.
- More savings would mean more domestic investment and less borrowing from abroad.





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# **Bilateral Trade Deficits are Unimportant**



- Natural result of an overall trade deficit.
- Likely result from specialization.
- Can be exaggerated by mismeasurement of bilateral trade flows.
  - Value added vs total value
- Are unlikely to be a result of foreign country's trade policies.



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- Trade and growth are positively related.
- Gains from trade can be widespread (lower prices for consumers).
- Losses from trade can be highly concentrated.









www.NEEDelegation.org
Adina Ardelean
<atardelean@scu.edu>

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