# Osher Lifelong Learning Institute, Winter 2020 What Economists Know About Important Policy Issues

### **Lecture 1: The U.S. Economy**

January 22, 2020

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National Economic Education Delegation



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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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### Who Are We?

#### Honorary Board: 46 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: 484 members

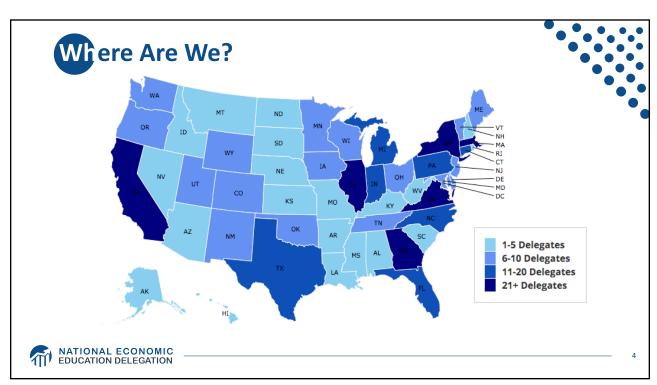
- At all levels of academia and some in government service
- All have a Ph.D. in economics
- Crowdsource slide decks
- Give presentations

#### • Global Partners: 45 Ph.D. Economists

- Aid in slide deck development



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## **Credits and Disclaimer**



- This slide deck was authored by:
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#### • This slide deck was reviewed by:

- Jeffrey Frankel, Harvard University
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#### 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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# **Course Outline**



#### What Economists Know About Important Policy Issues

- Week 1 (1/22): US Economic Update

- Week 2 (1/29): Government Budgets

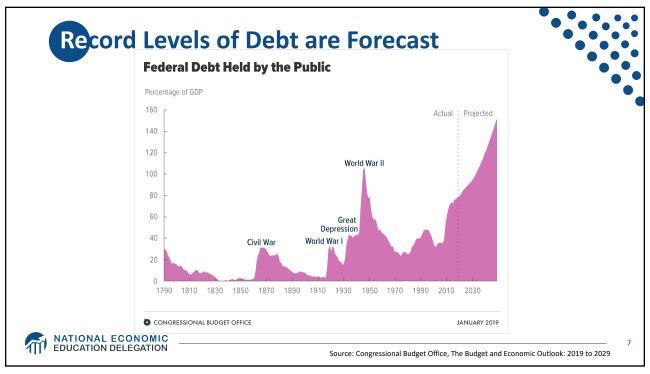
- Week 3 (2/5): Climate Change

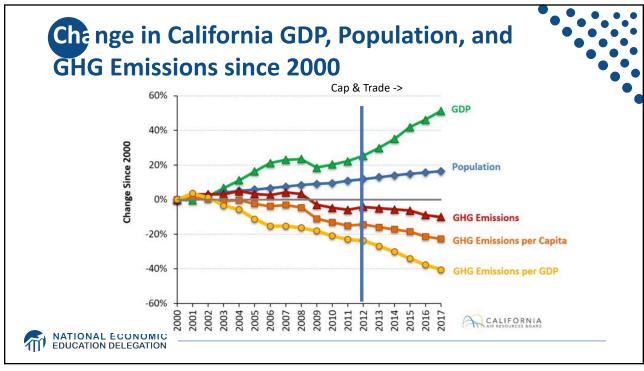
- Week 4 (2/19): Trade and Globalization

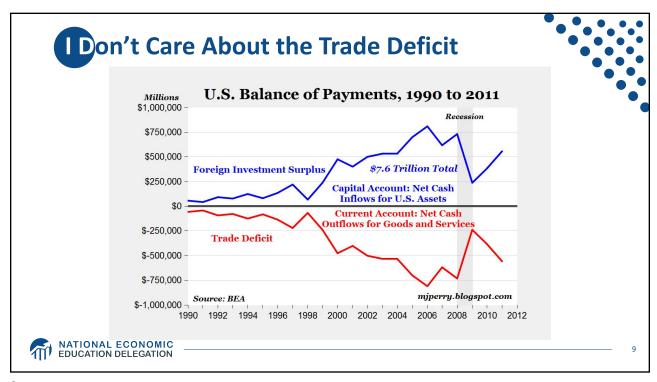
- Week 5 (2/26): Income Inequality

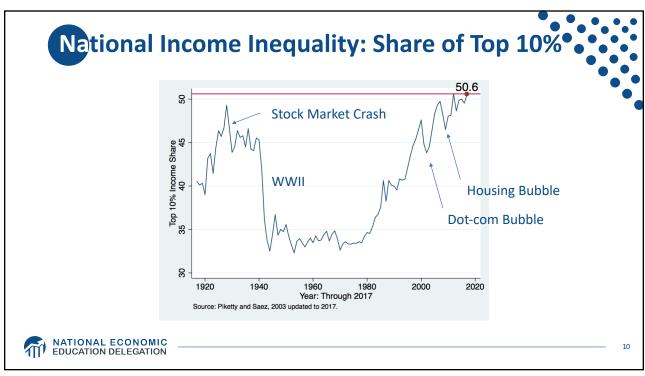


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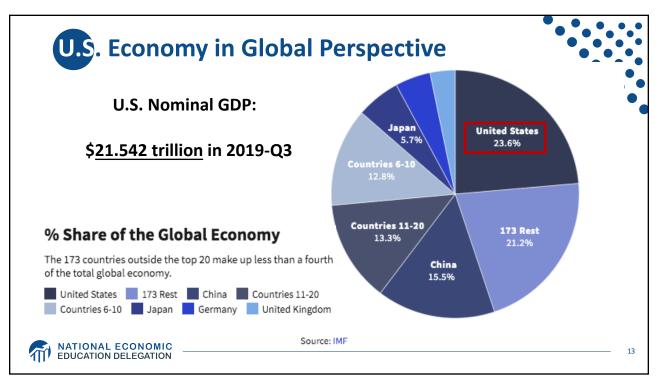


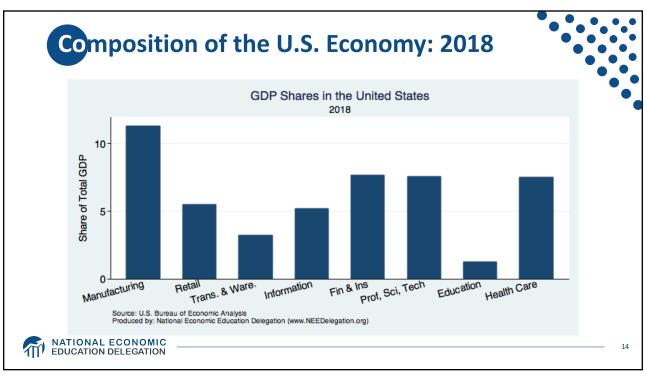
- Behavior of GDP
- Labor Market
- Monetary Policy/Interest Rates
- Other Indicators
- Summary



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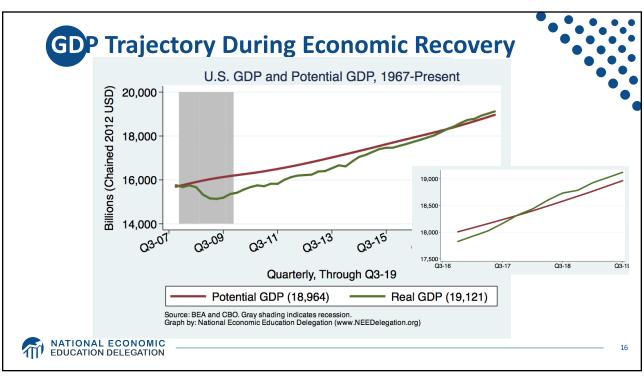


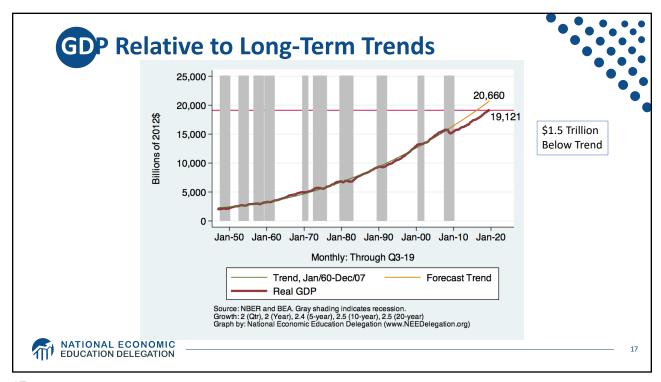


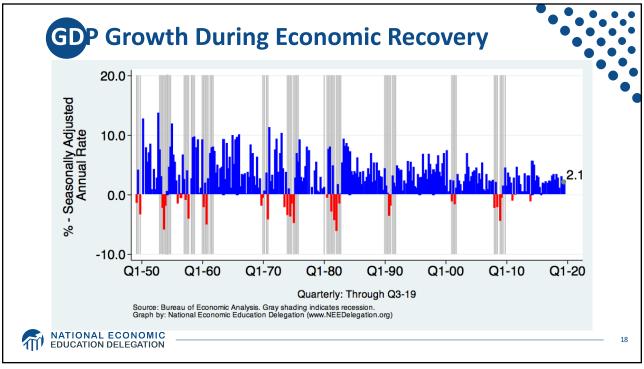
- omists
- <u>Real GDP</u> is a standard measure of production used by economists to assess the size, health, and well-being of an economy.
- <u>Potential GDP</u> is the level of production in an economy operating at full employment.
- We use potential GDP to get a sense of what production should be in an economy.



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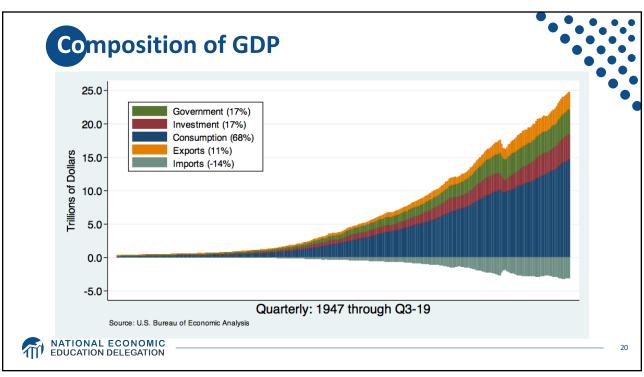




### What Is "Accounting" for the Slow Recovery?

- Expenditures drive GDP growth.
  - GDP is the sum of four categories of spending:
    - Consumption
    - o Investment
    - Government spending
- GDP = C + I + G + X M
  - Net Exports: Exports Imports • Exports add to GDP
    - Imports are subtracted because they are included in the other categories
- Production also matters and supports GDP growth.
  - Employment
  - Productivity





### **Composition of GDP**



- Slow growth in any of these categories will slow overall GDP growth.
- How does each component contribute to GDP growth pre- vs. postrecession?
- What explains current trends in each component?



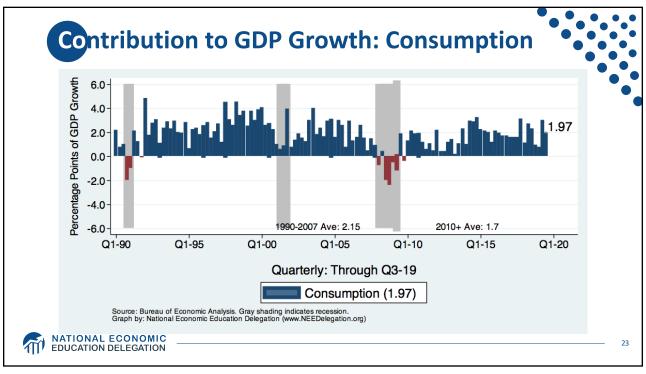
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## Understanding Contributions to GDP Growth



- GDP Growth is a combination of the growth in its components:
  - Consumption, Investment, Government, and Net Exports
  - It's a weighted average of these components
- For example: Consumption
  - If consumption accounts for 2/3 of the economy,
  - If consumption grew by 3%,
  - It would cause GDP growth to be 2 percentage points higher than it would otherwise be

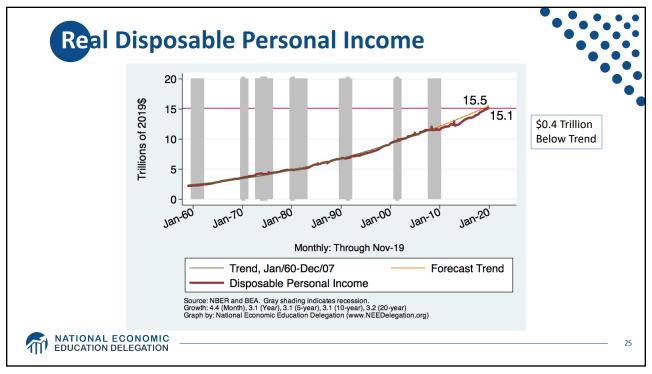


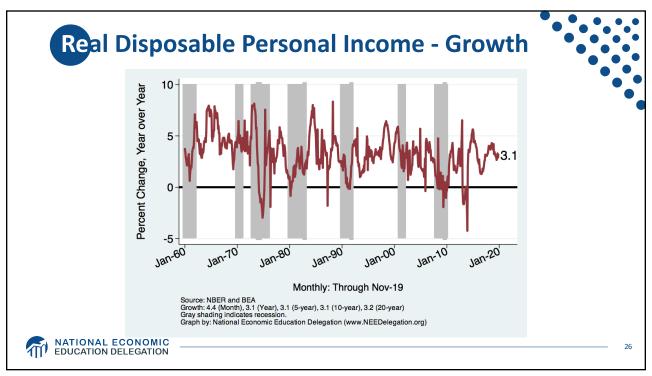


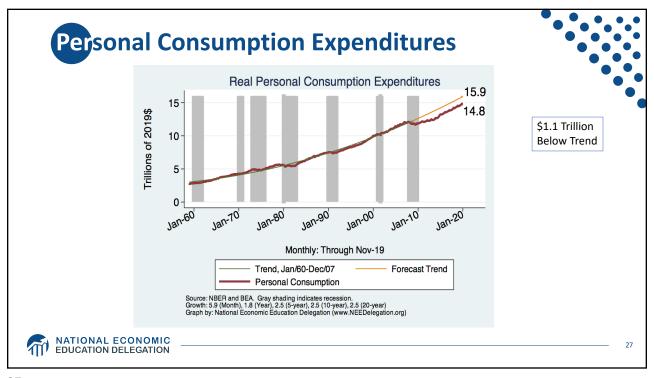


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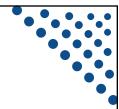
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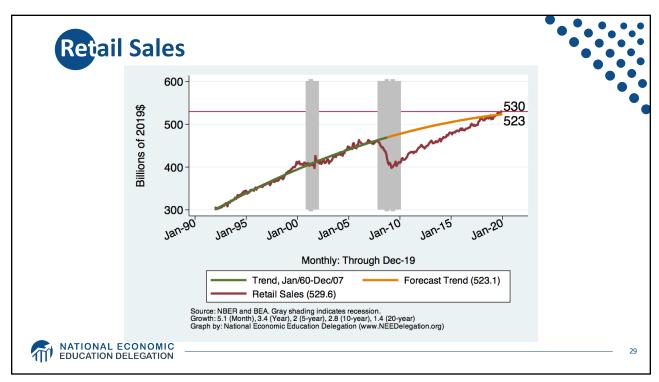
# **Explaining Consumption Expenditures**

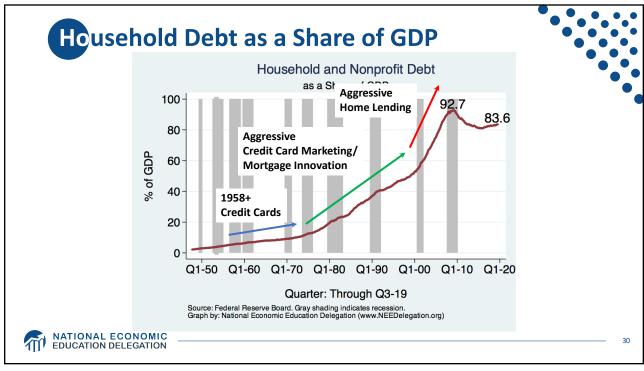


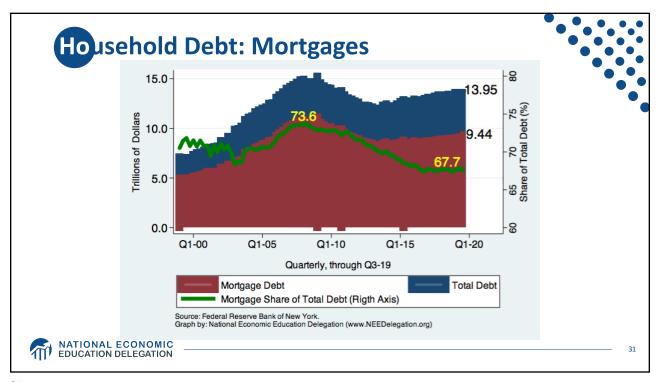
- Retail sales, household debt, and personal savings help explain changes in consumption expenditures.
- <u>Lower</u> levels of retail sales and household debt and <u>higher</u> savings should be correlated with <u>lower</u> levels of consumption expenditure.

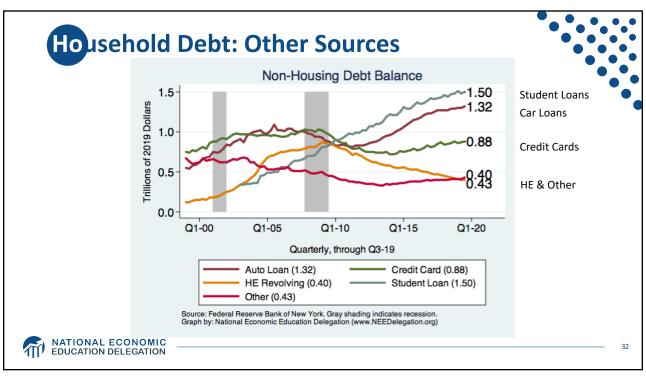


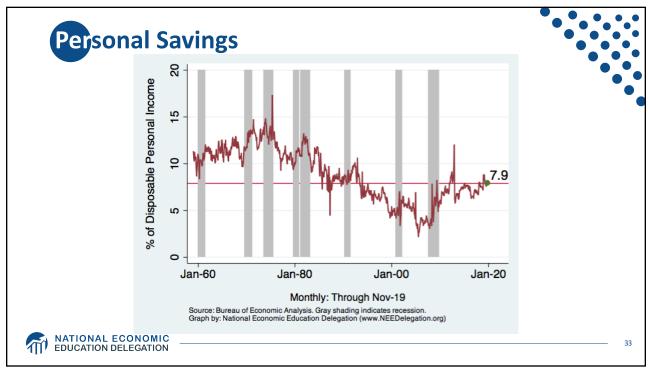
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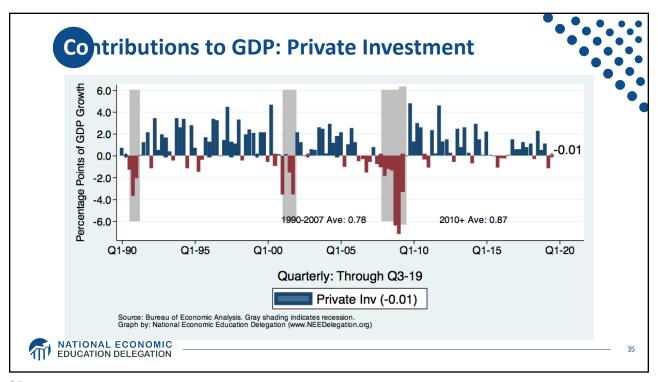


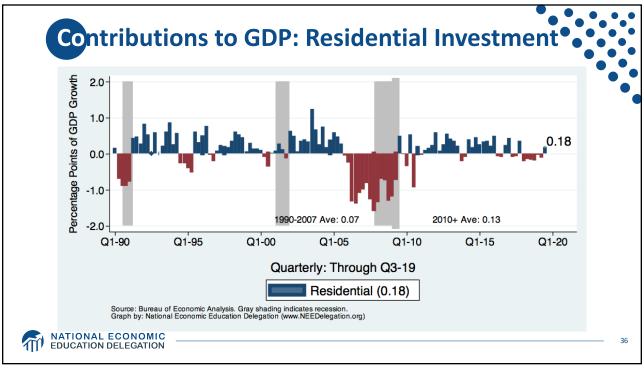
### **Investment Expenditures**

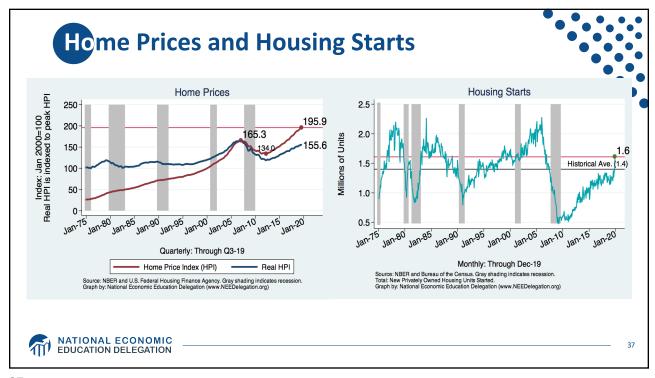
- non-
- Investment expenditures are composed of residential and non-residential spending.
- Residential spending refers to home construction, including remodeling.
- Non-residential spending refers to capital purchases and new inventory accumulation.
  - Tools, machinery, new factories, commercial real estate.

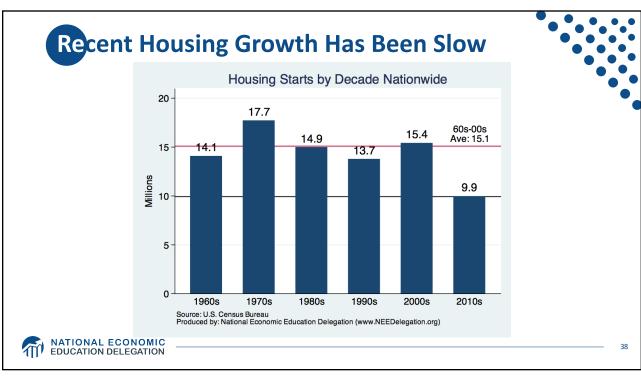


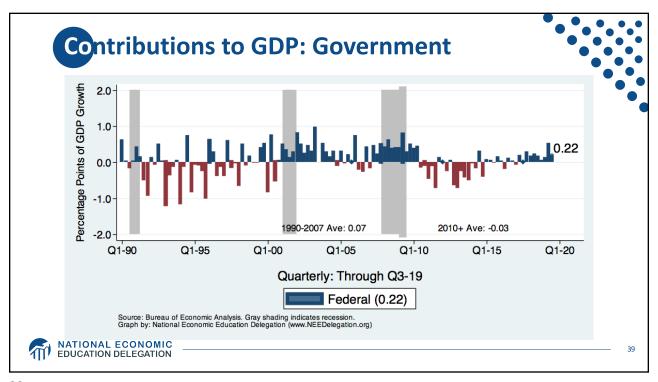
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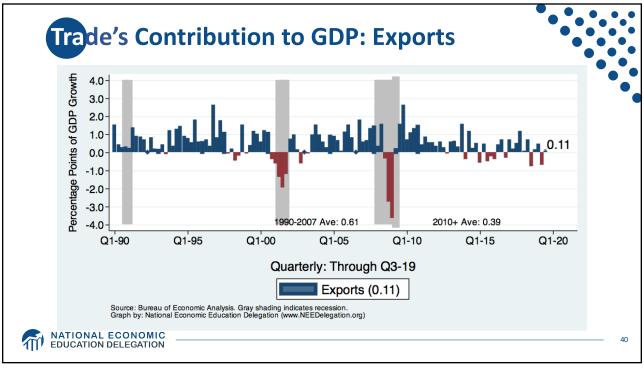












### **Expenditure Summary**

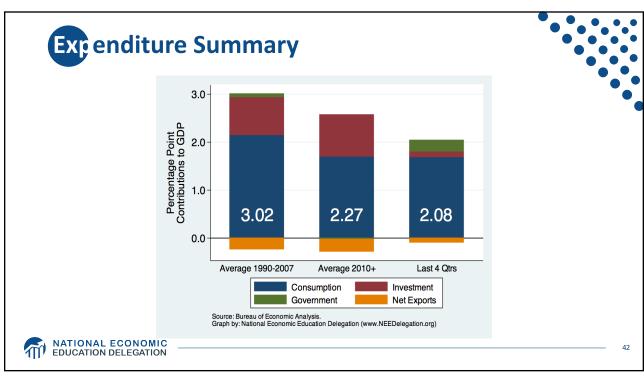


- Post-recession consumption is down:
  - Retail sales have returning to trend;
  - Household debt down, but climbing;
  - Personal savings is up.
- Investment expenditures are contributing more to GDP growth.
  - But have recently slowed:
- Post-recession government spending is down:
  - But starting to pick up.
- Net exports are relatively unchanged.



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- The labor market is an important indicator of the health of the U.S. economy.
- We'll focus on employment and productivity.
  - Trends in employment and labor force participation.
  - Trends in labor productivity.



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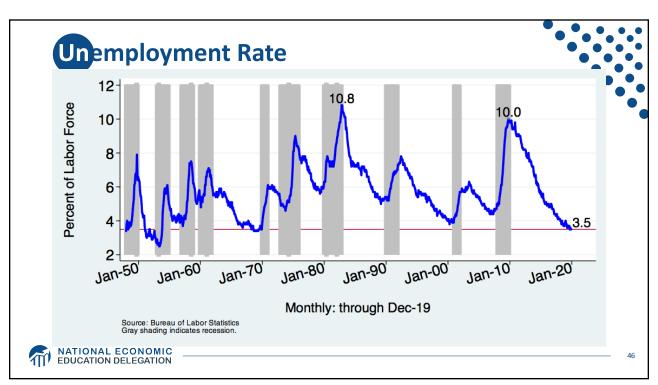
# **Labor Market Conditions**

- Unemployment rate is low, 3.5%, a level not seen since the 1960s.
- Natural rate of unemployment is estimated to be 4.5% 5.5%.
- Monthly employment gains have averaged 189,000 jobs over the last six months.
  - This measure has been declining throughout 2019.
- Recent Labor Market Concerns:
  - Low employment-to-population ratio
  - Falling labor force participation
  - Slow wage growth



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#### How is the Unemployment Rate Calculated?

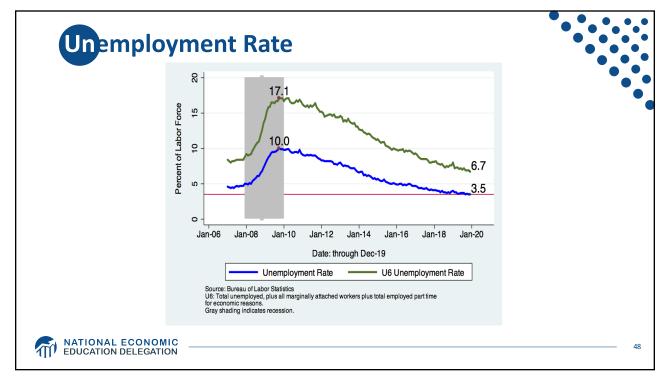


UR = # Unemployed \* 100
Labor Force • It is not a simple thing:

- Why is that not simple?
  - Because it can go up or down for a variety of reasons:
    - o If employment shrinks - UR goes up
    - o If the labor force grows - UR could go up
  - Not all employment is created equally.
- Not a good indicator of the overall well being of the US economy



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### Low Unemployment: But Jobs Don't Pay

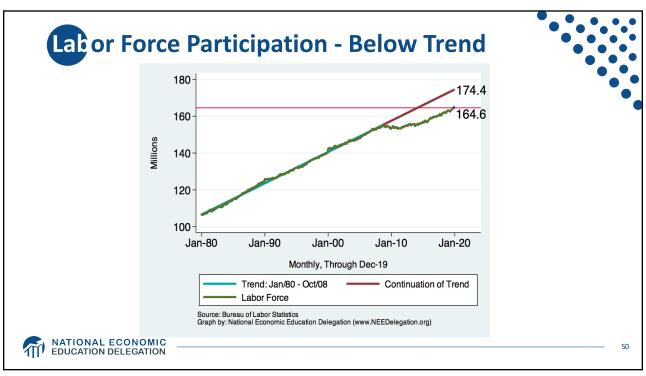


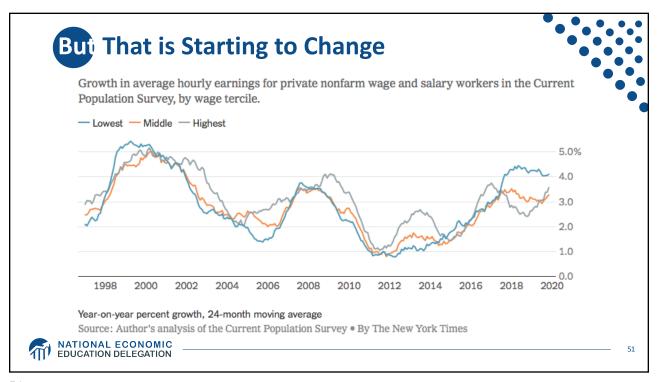
ore than 53 million people-44% of all workers aged 18-64-are low-wage workers by our criteria. They earn median hourly wages of \$10.22 and median annual earnings of \$17,950.

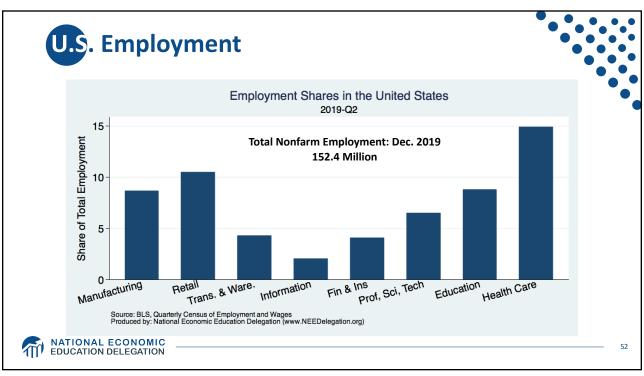


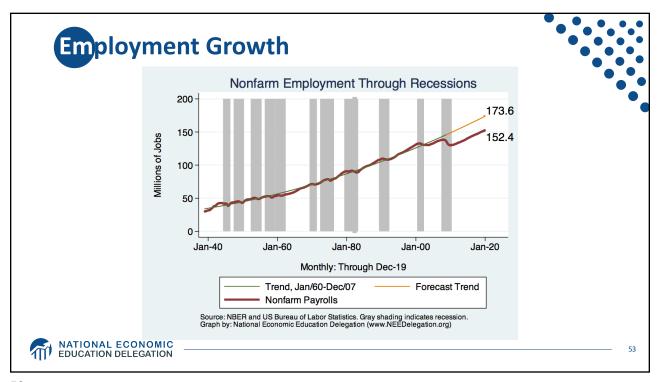
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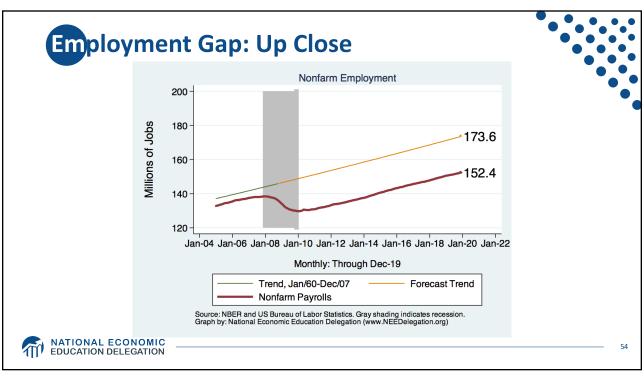
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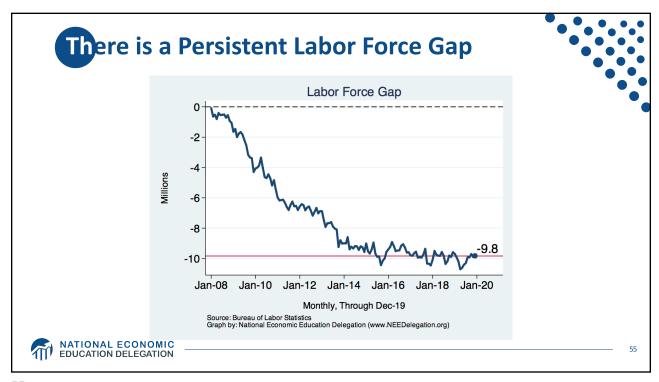


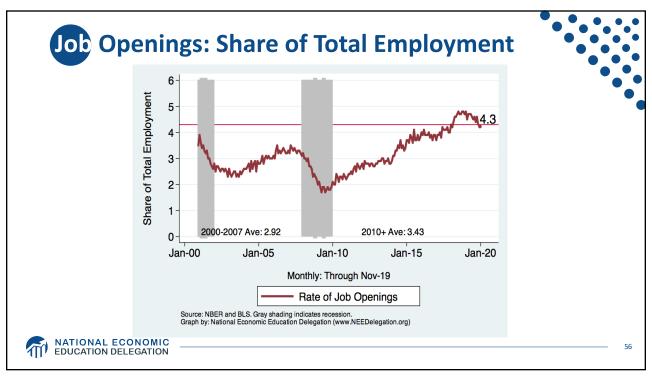


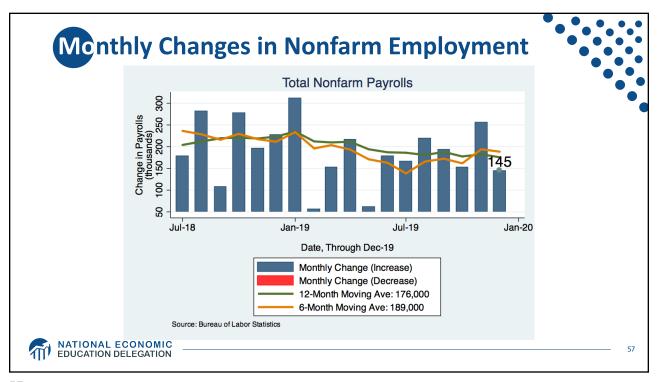


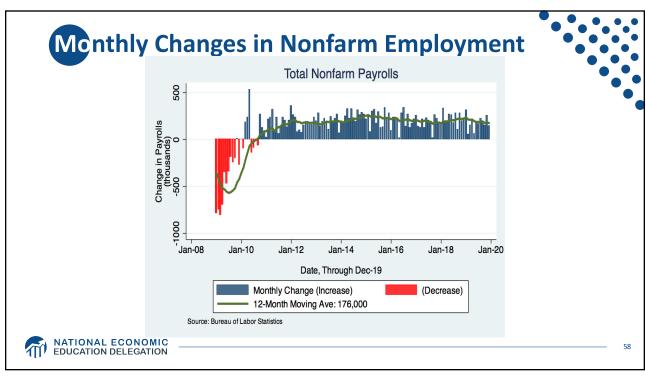


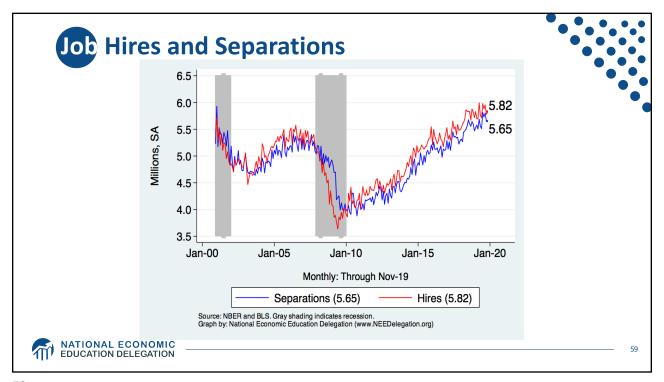


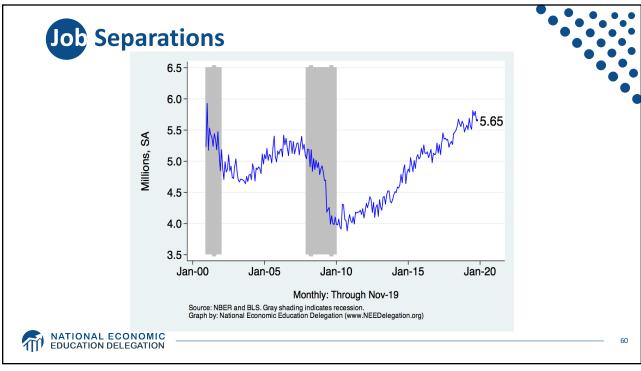




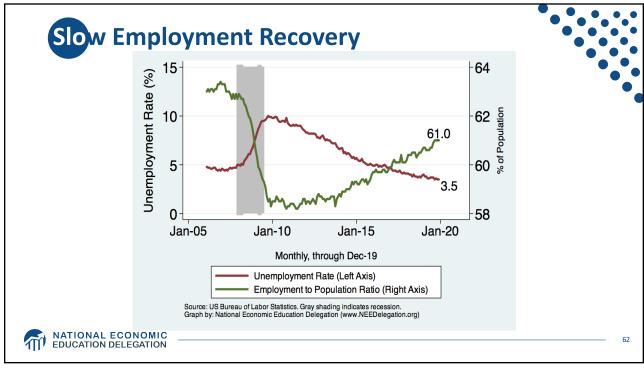


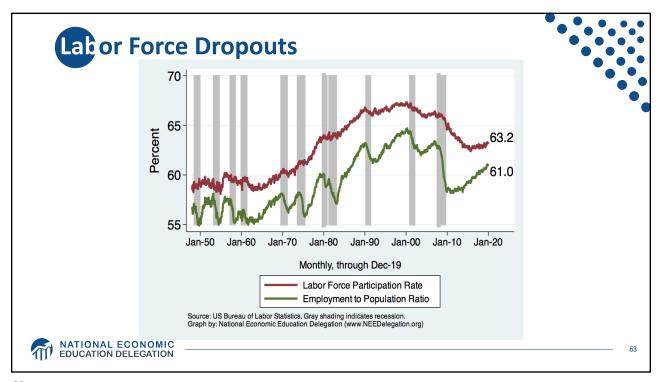


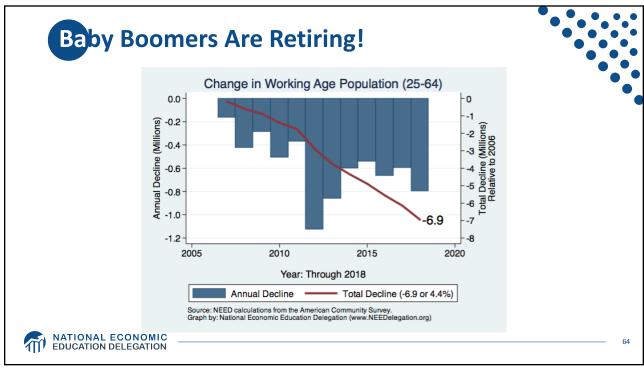


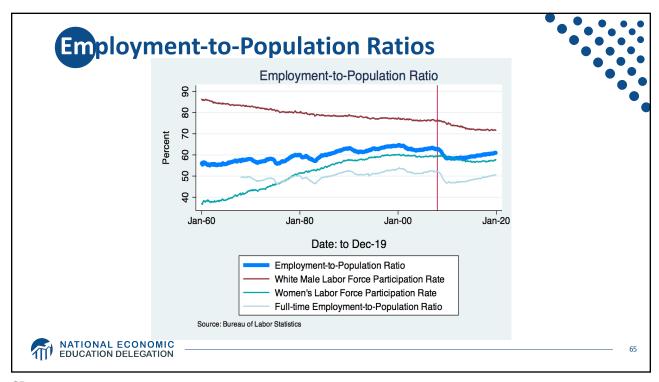


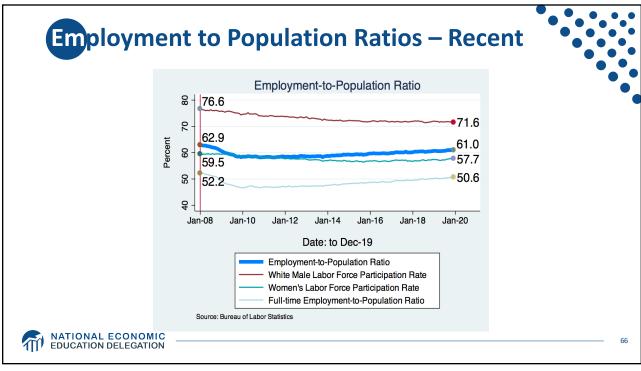


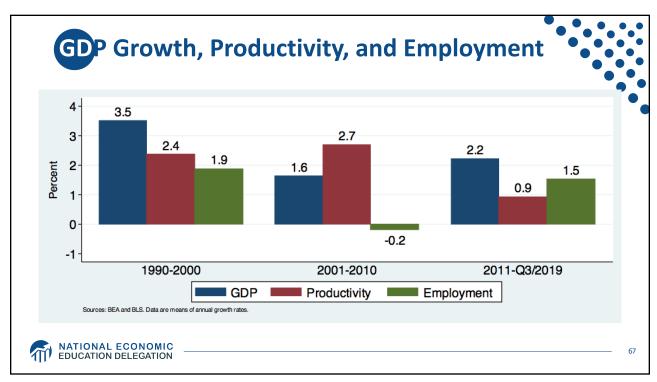


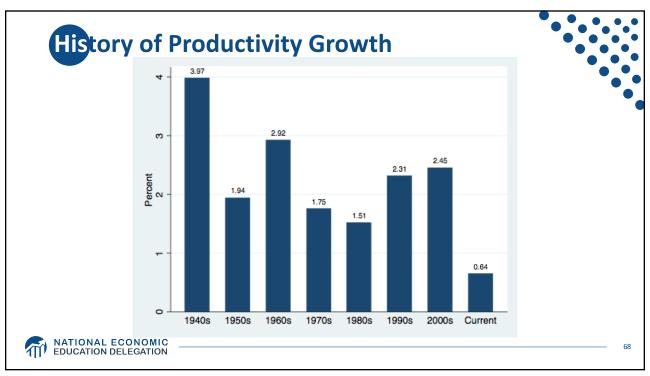
















- GDP growth is primarily fueled by increases in demand for output.
- This growth is supported by growth in employment and productivity of the labor force.
- Recent years have seen relatively tepid increases in demand for output.
  - In particular, consumption and government spending have been slow relative to other periods.
- This tepid growth has lead to slow increases in employment.
  - As labor markets have tightened, wages have started to grow.
- Productivity growth has played little role in growing GDP.
  - Why this is so is not immediately clear.

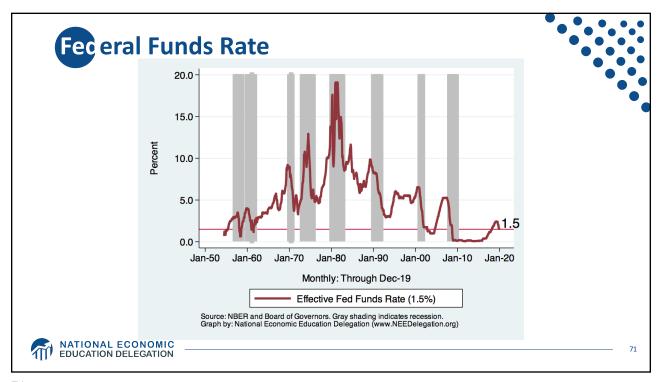


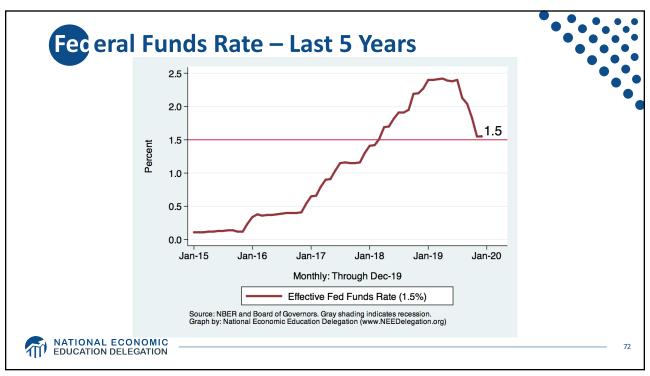
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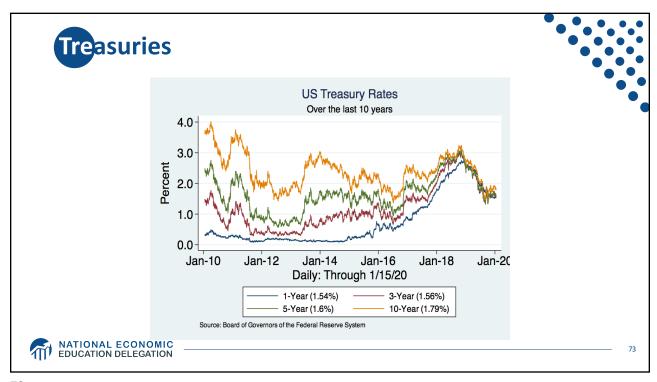
# **Monetary Policy**

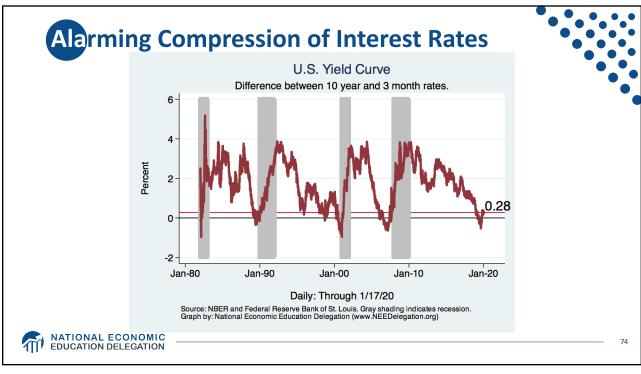


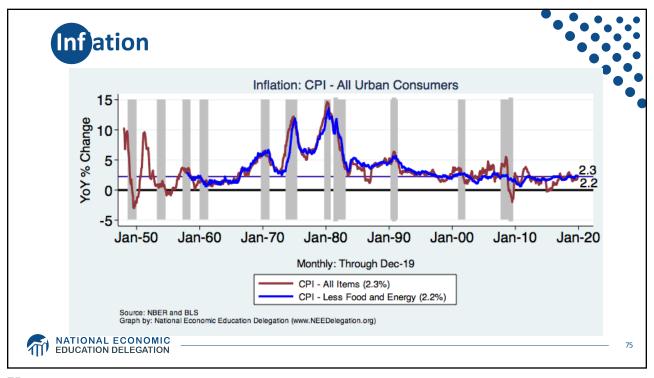
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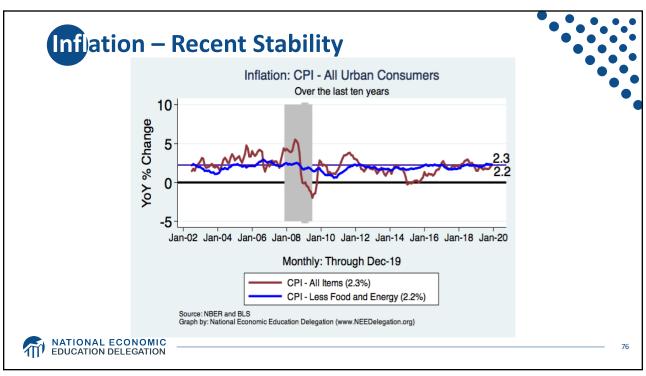


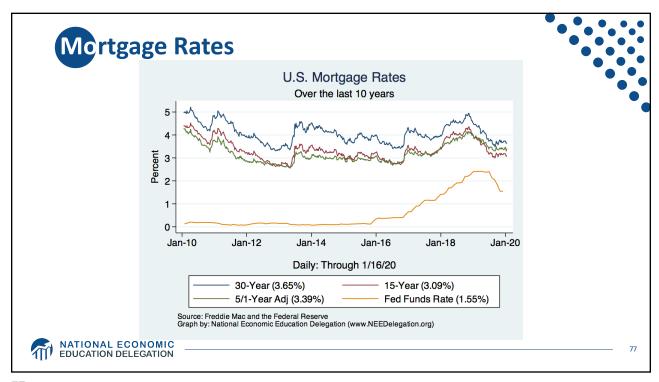




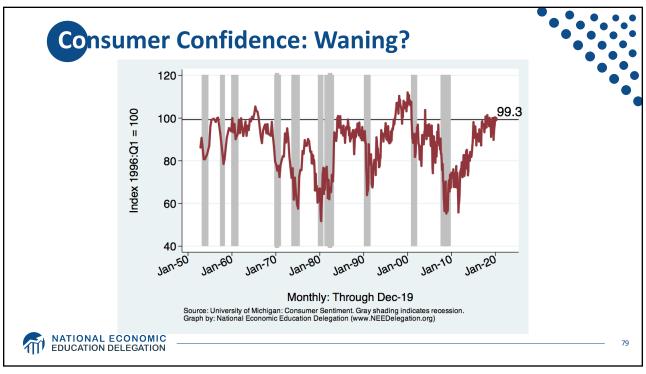


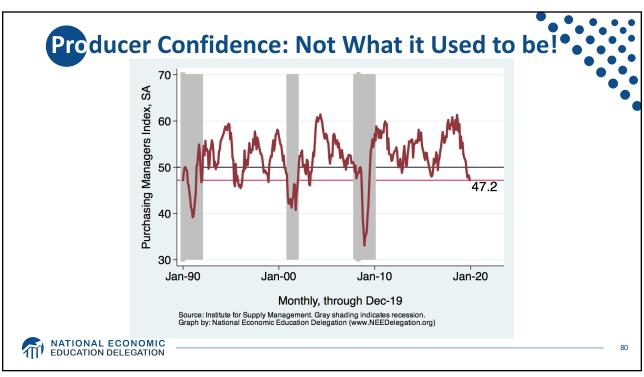


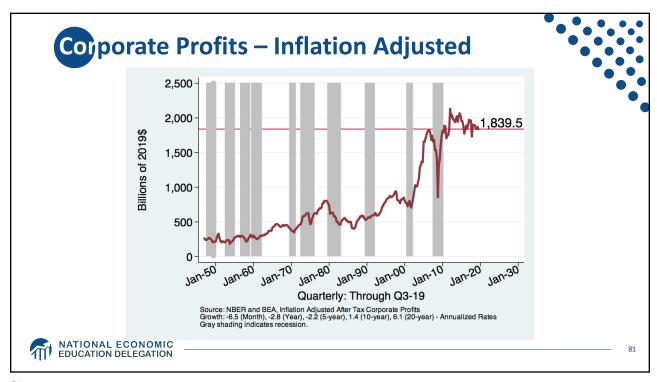


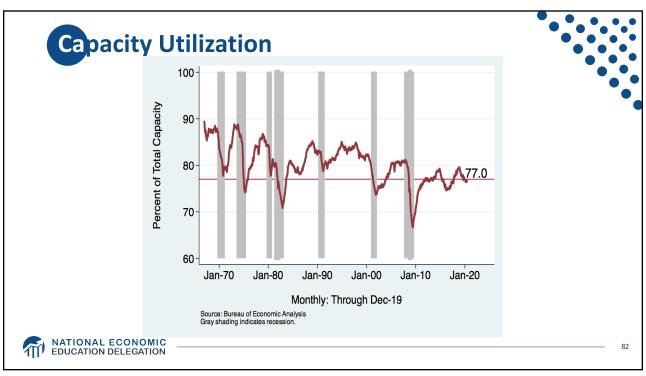


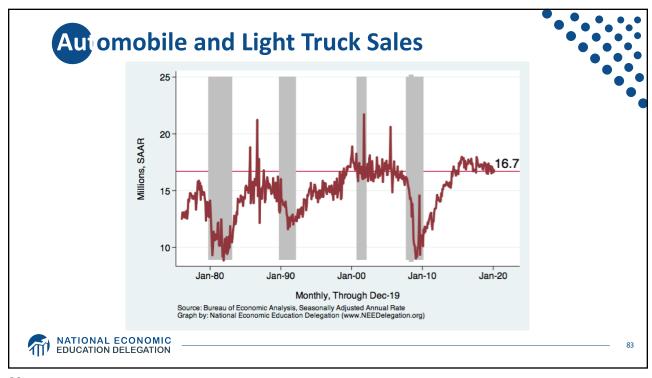












# Summary of GDP, Labor Markets and Monetary Police

### Behavior of GDP

- Behavior of expenditure components matter.
- On average, post-recession consumption, government, and export. expenditures are contributing less to GDP therefore slowing the recovery.
- In contrast, investment expenditures are contributing more.

#### Labor Market

- Unemployment is low, labor force participation is stagnant
- Real wages may be starting to grow.

### Monetary Policy

- Interest rates are rising.
- Policy normalization is underway.



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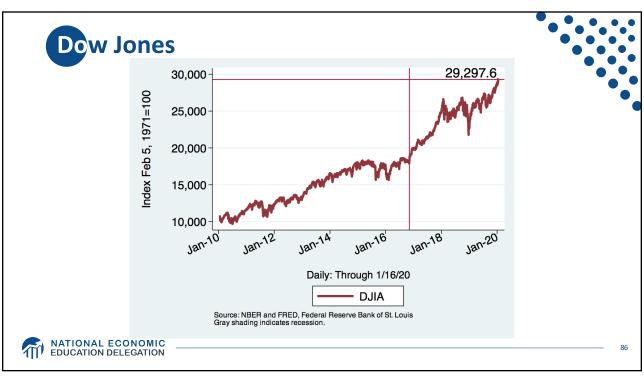
## Things to Be Worried About

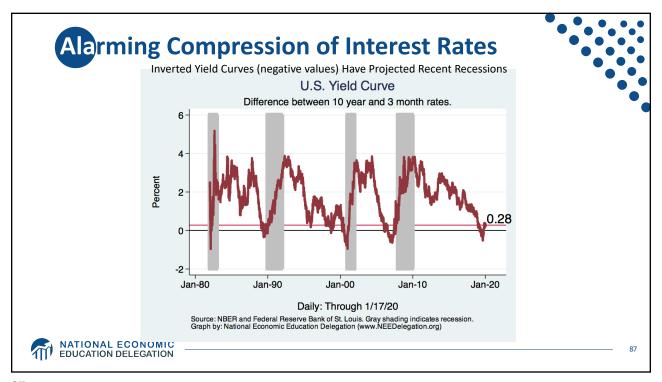
- Stock Markets
- Yield Curve
- Government Debt
- Declining Labor Force
- Income and Wealth Inequality
- Policy Uncertainty
  - Trade and immigration policy, especially
- · Lack of ammunition to fight a recession

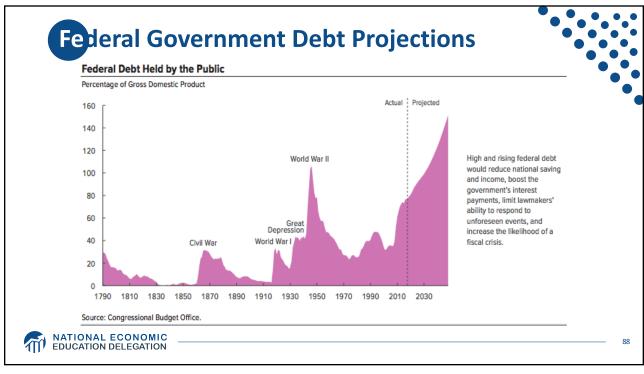


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# **Overall Summary**



- Tailwinds and headwinds both exist
  - Economic forecasts for near term are favorable.
  - Later 2020 and 2021 forecasts are less sanguine.
- There remains room for the economy to grow
  - Labor force growth is available.
  - Consumption has room to grow, but there is evidence of slowing.
  - Business investment may be slowing.
  - Return to productivity growth? But how? What's the next big idea?
- Long term concerns unaddressed
  - Demographics, climate change
  - Federal government debt
  - International trade policy



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**Teasers: Upcoming Lectures** 



- Government Budgets
- Climate Change

- Income Inequality
- Trade and Globalization







### **Any Questions?**

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