

Osher Lifelong Learning Institute, Winter 2022 Contemporary Economic Policy

Clemson University January-February, 2022

National Economic Education Delegation



1

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.



2

2



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: 649+ members

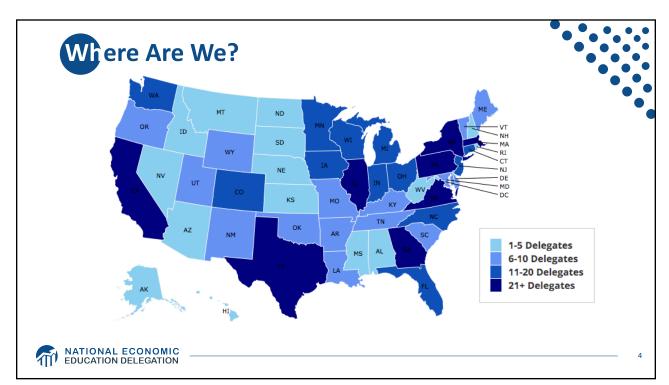
- At all levels of academia and some in government service
- All have a Ph.D. in economics
- Crowdsource slide decks
- Give presentations

• Global Partners: 48 Ph.D. Economists

- Aid in slide deck development



3



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Available NEED Topics Include:

- Coronavirus Economics
- US Economy
- Climate Change
- Economic Inequality
- Economic Mobility
- Trade and Globalization
- Minimum Wages

- Immigration Economics
- Housing Policy
- Federal Budgets
- Federal Debt
- Black-White Wealth Gap
- Autonomous Vehicles
- US Social Policy



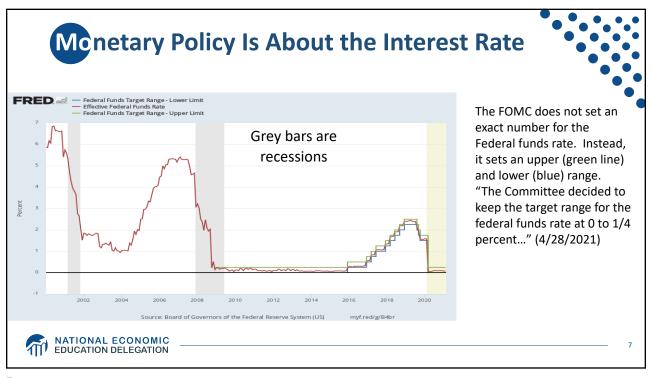
Course Outline

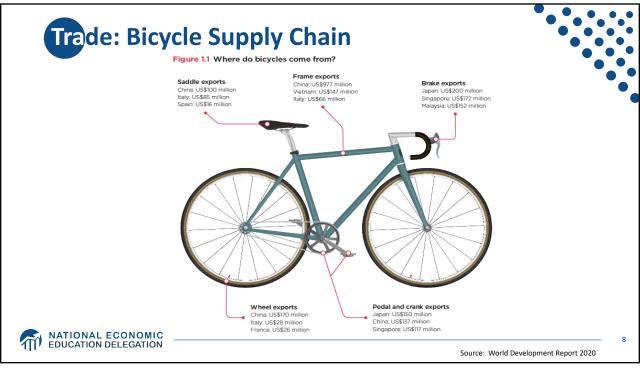


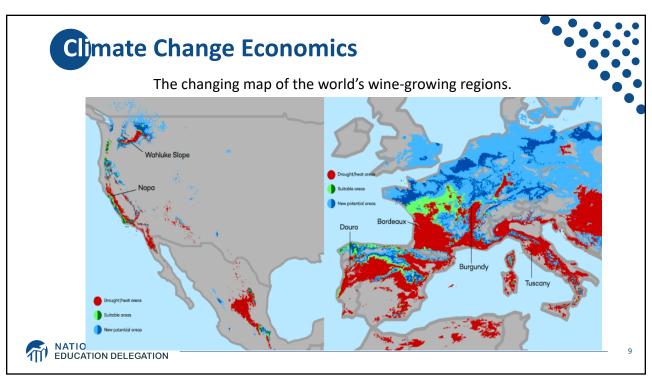
- Contemporary Economic Policy
 - Week 1 (1/31): US Economy & Coronavirus Economics
 - Week 2 (2/7): Monetary Policy (Geoffrey Woglom, Amherst College)
 - Week 3 (2/14): Trade (Alan Deardorff, University of Michigan)
 - Week 2 (1/21): Climate Change Economics (Sarah Jacobson, Williams College)



6











- Please submit questions in the chat.
 - I will try to handle them as they come up, but may take them in a bunch as time permits.
- We will do a verbal Q&A once the material has been presented.
 - And the questions in the chat have been addressed.
- OLLI allowing, we can stay beyond the end of class to have further discussion.



10





US Economy and Coronavirus Economics

Scott Baier, Ph.D. Clemson University

National Economic Education Delegation





11

11

Credits and Disclaimer



- Jon D. Haveman, NEED
 - Scott Baier, Clemson University
 - Geoffrey Woglom, Amherst College (Emeritus)
 - Brian Dombeck, Lewis & Clark College
 - Doris Geide-Stevenson, Weber State

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).







- State of the pandemic
- The U.S. Economy
- Hot Topics
 - Government policy
 - Debt
 - Inflation
 - Great resignation



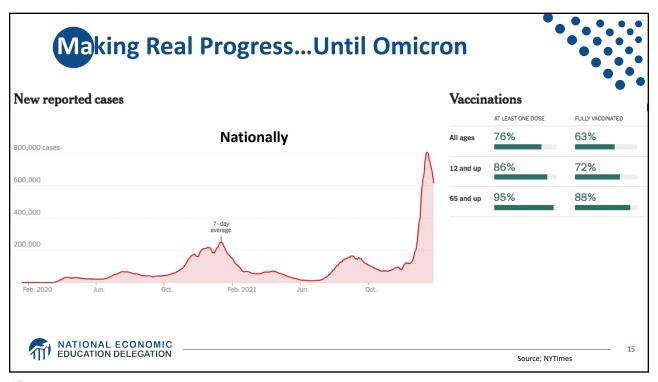
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State of the Pandemic



14



Omicron is Making Things Difficult



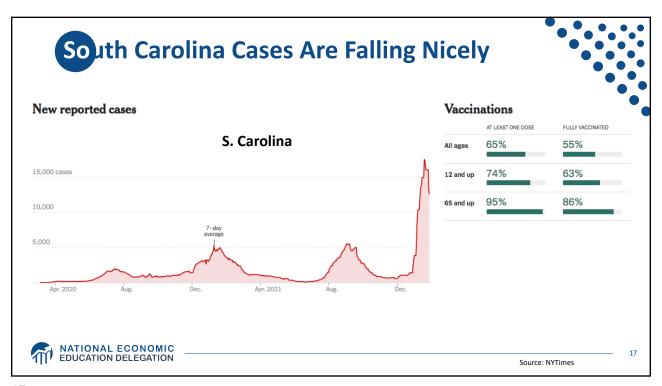
Covid-related absences:

- Are creating headaches for businesses that were struggling to hire workers even before Omicron.
- Restaurants and retail stores have cut back hours.
- Broadway shows called off performances.
- Airlines canceled thousands of flights over the holidays because so many crew members called in sick;
- on one day last month, nearly a third of United Airlines Workers at Newark Liberty International Airport, a major hub, called in sick.



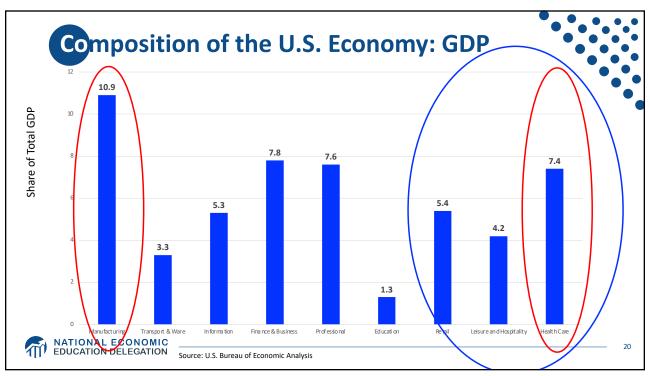
Source: NYTimes.com

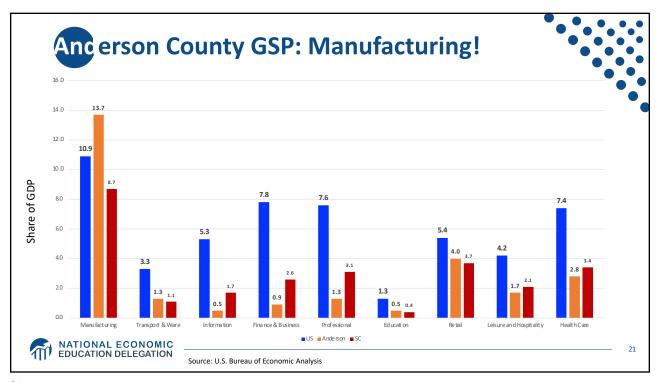
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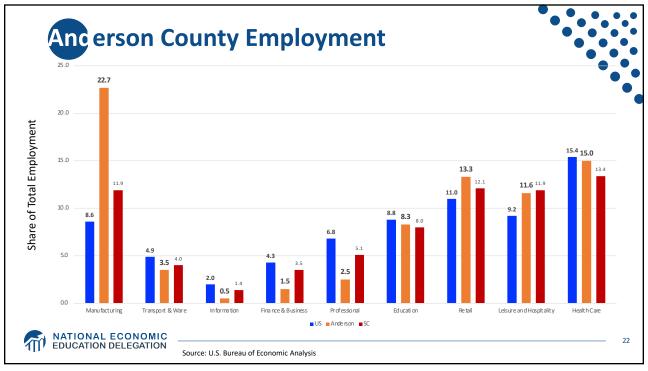




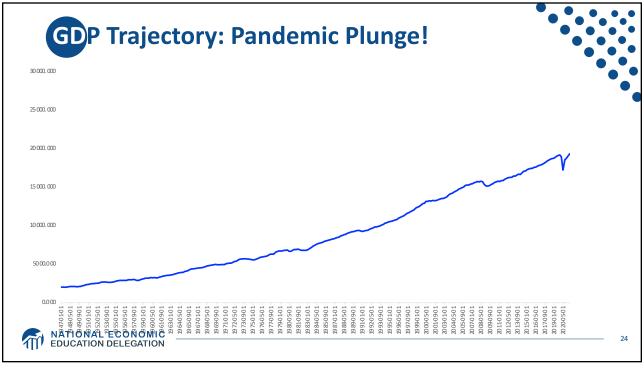
Statistic:	Value
Population	331.9 Million
Labor Force	162.3 Million
Employment	149.0 Million
Gross Domestic Product (GDP)	\$23.9 Trillion
Income per Capita	\$63,002
Ave. Hourly Earnings	\$31.31

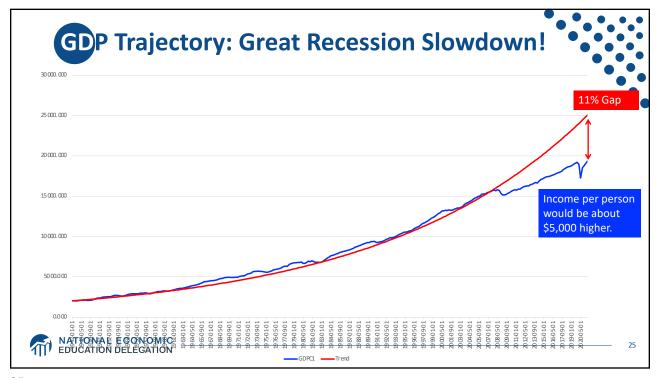


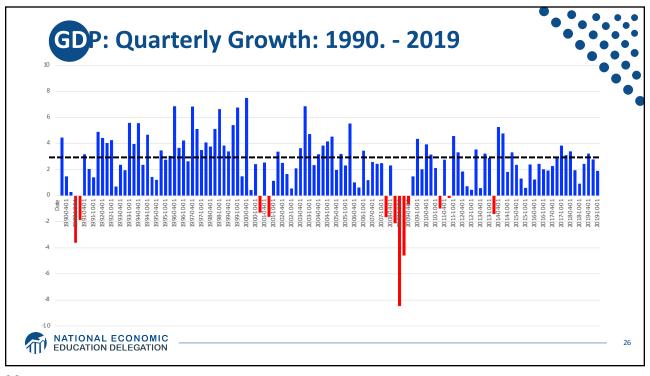


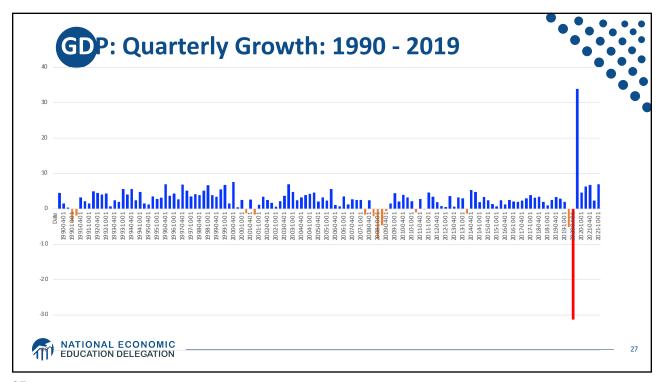


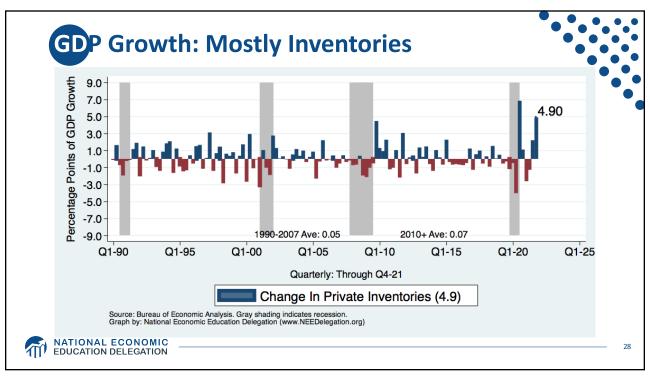


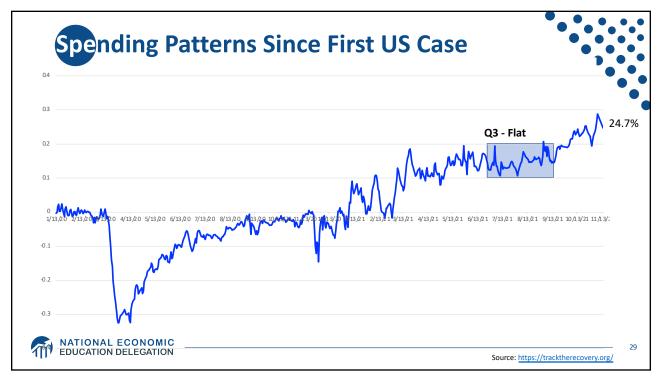


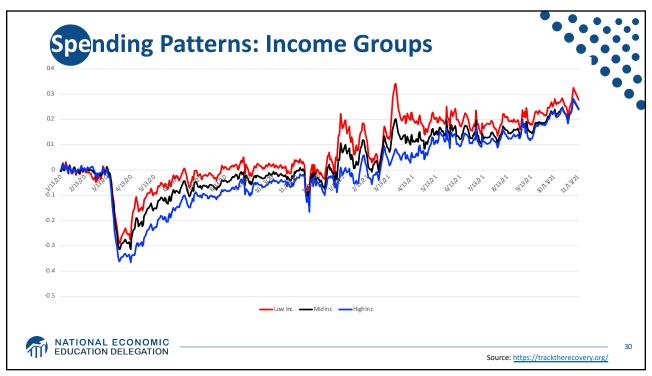


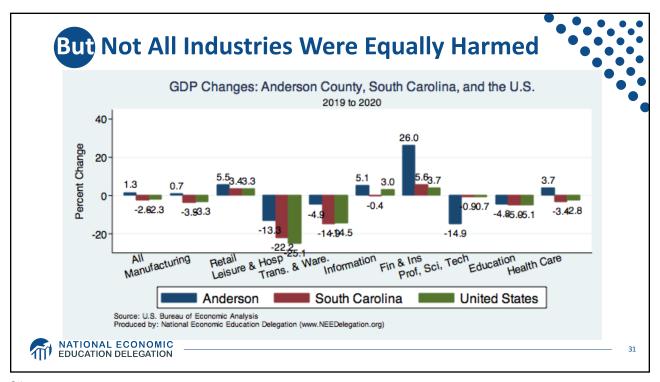


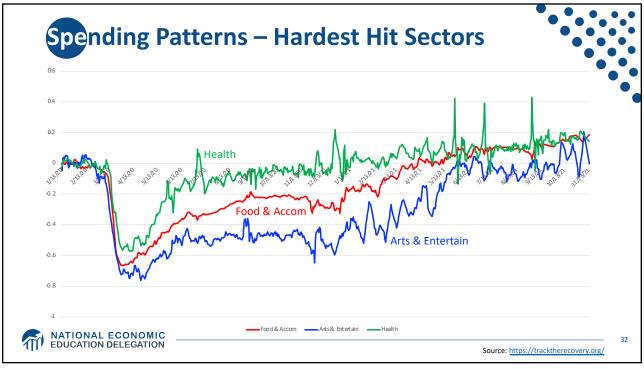


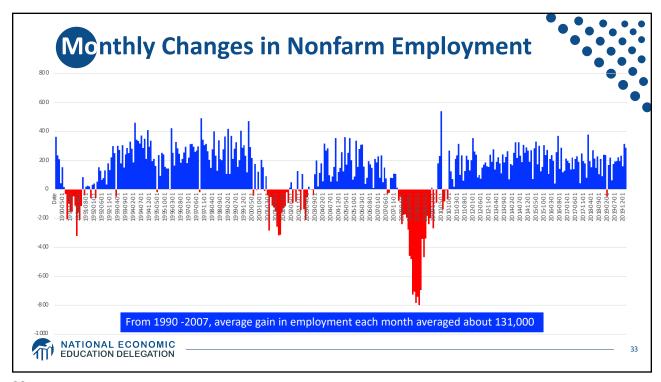


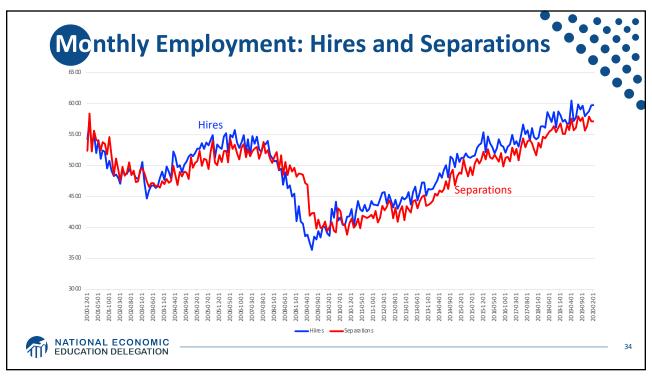


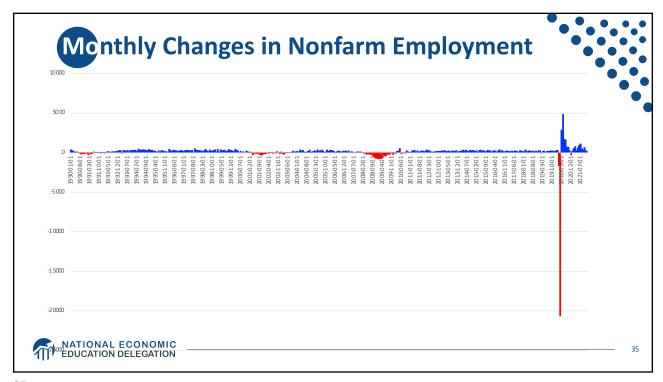


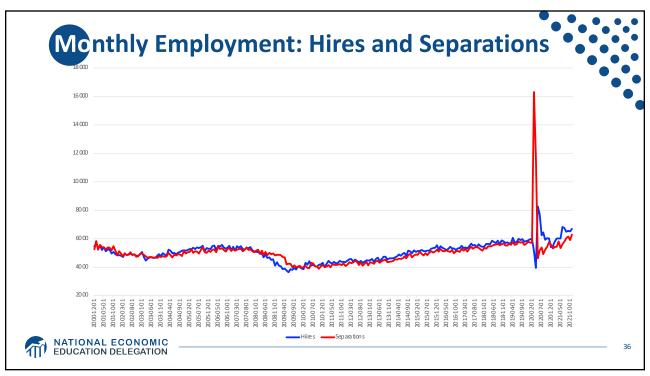


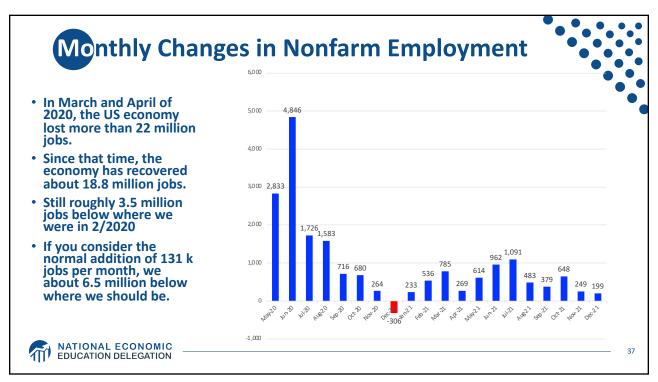


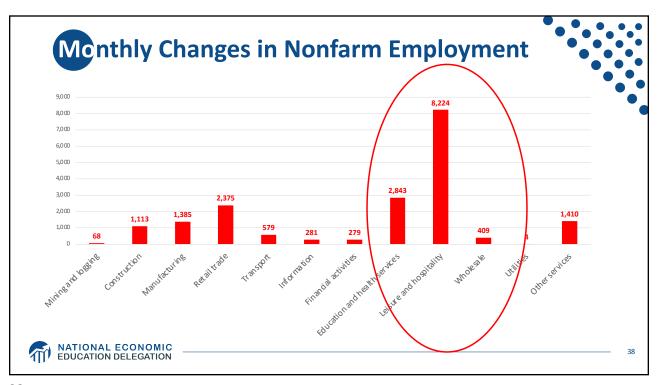


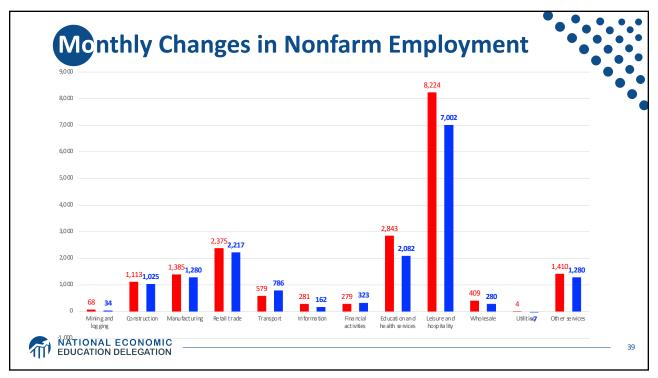


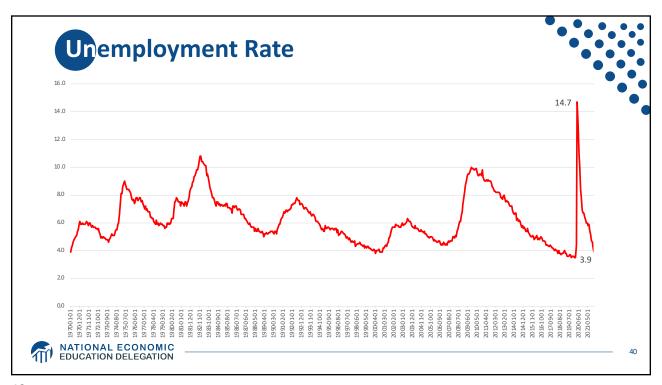


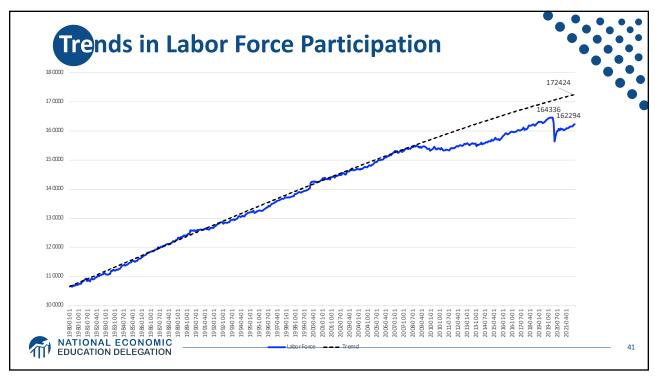


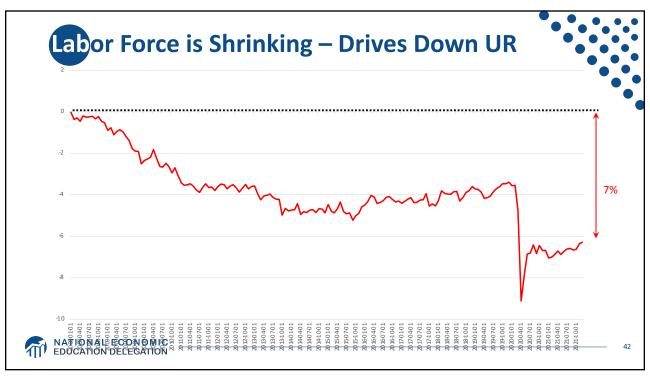


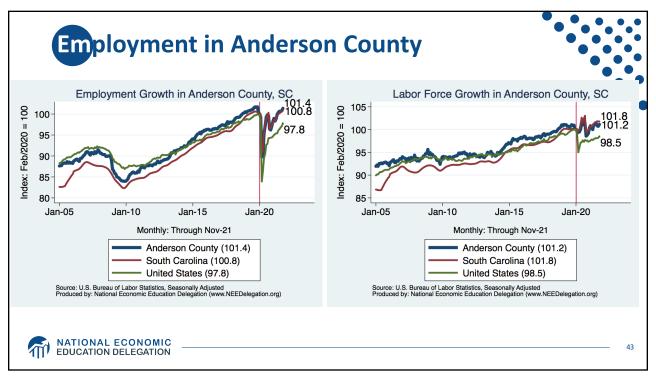


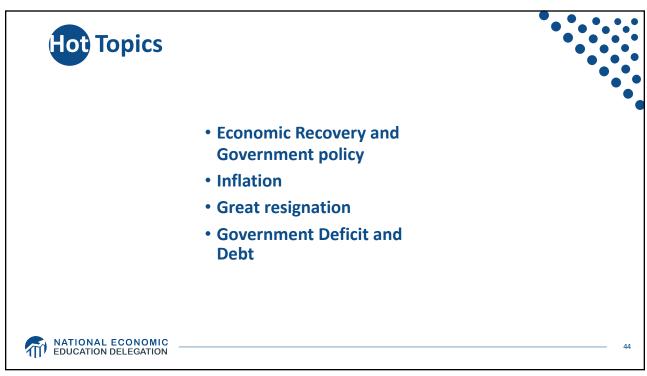


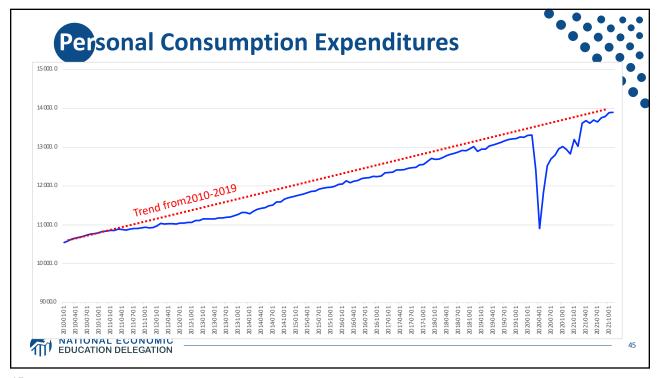












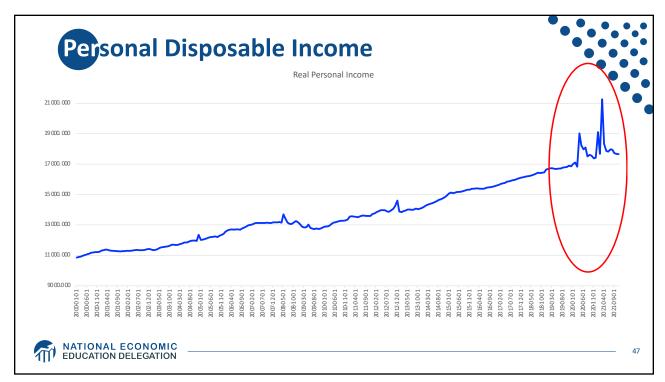
What Have Been Policy Effects?

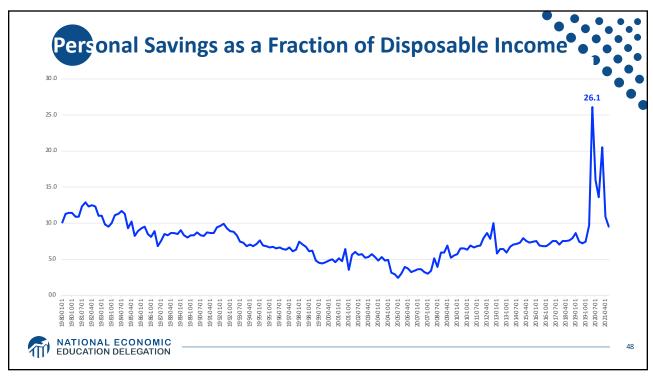


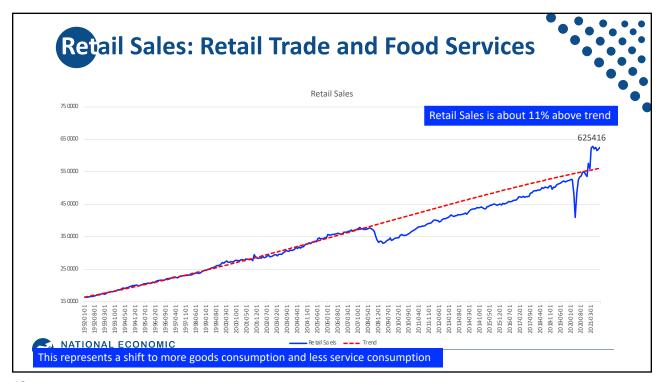
- MONETARY POLICY (Fed) acted quickly and effectively to prevent a financial market meltdown and to keep credit flowing. But the Fed lends and does not spend.
- FISCAL POLICY (Congress) acted quickly, but inevitably made some mistakes.
 - Stimulus Checks, A (\$268b)
 - Expanded Unemployment, B (\$268b)
 - Paycheck Protection Program, C- (\$525b)

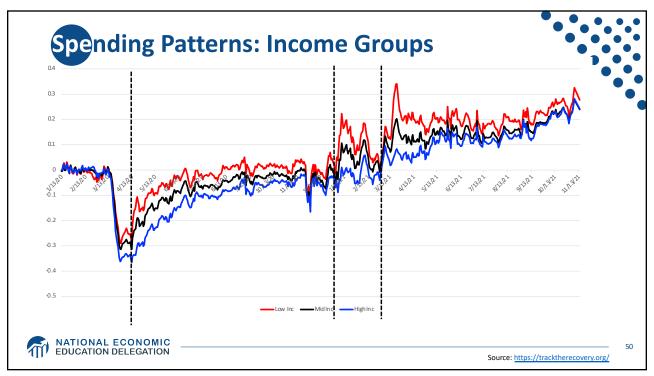


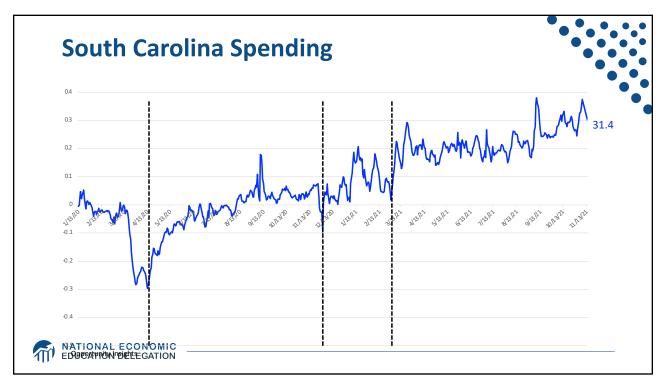
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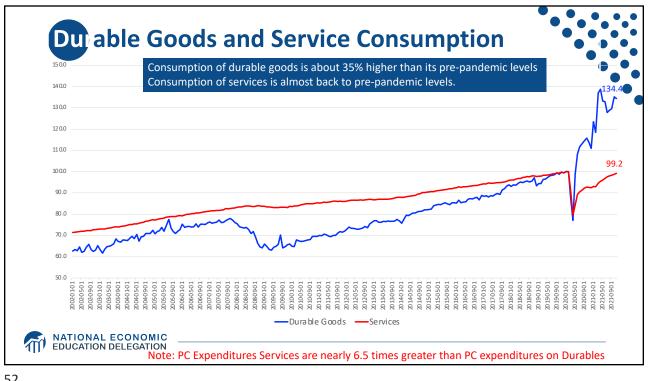


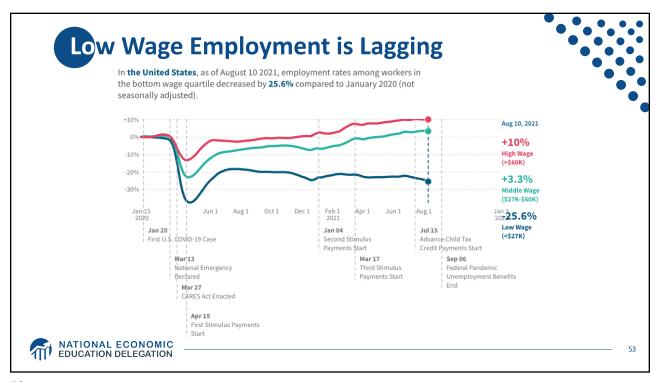


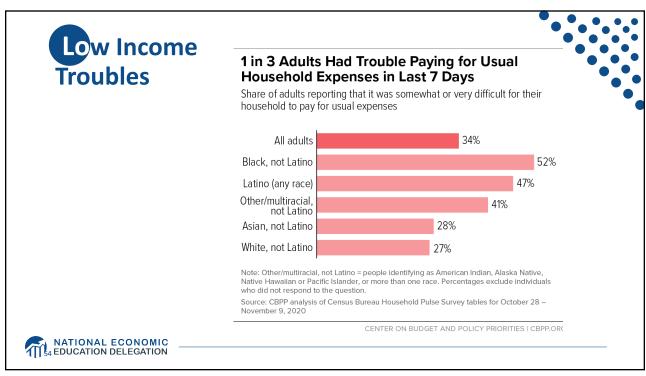












Take Away: Consumption and the Recovery

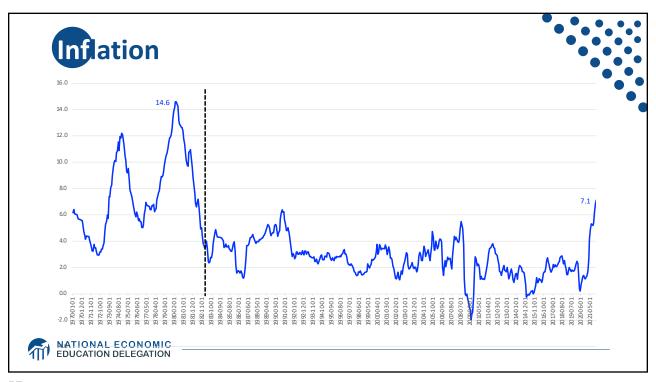
- Consumption has rebounded rapidly coming out of the recession.
- The rebound in consumption was supported by the stimulus packages that were passed by the Trump and Biden Administration.
- Compared to before the pandemic consumption has shifted more toward the consumption of goods and away from services.
 - This a demand effect that is causing some of the supply chain disruptions



55

Inflation



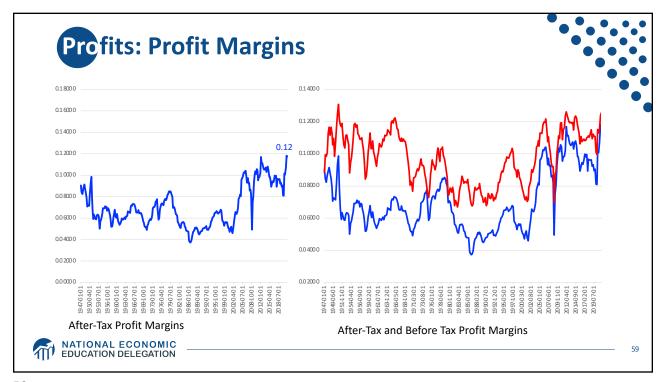


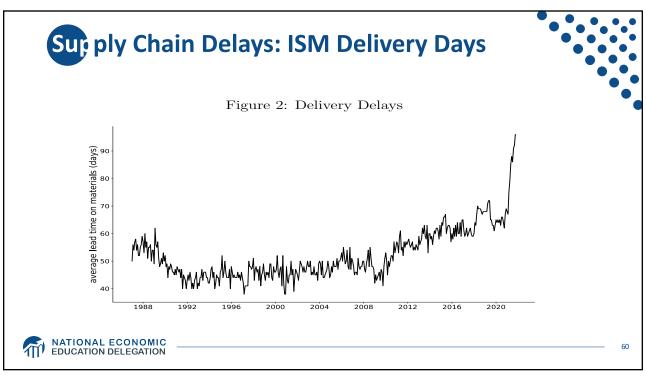
What is Driving Inflation?

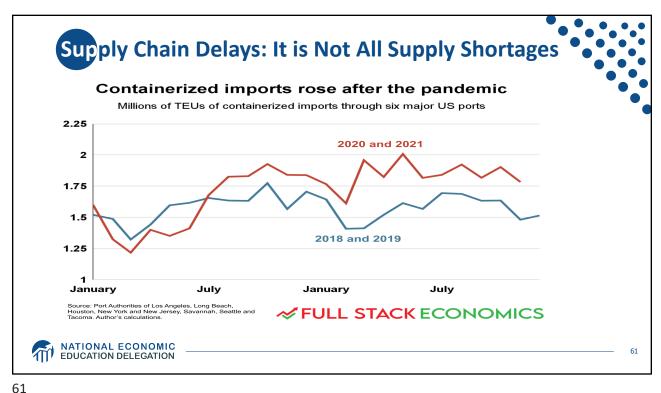


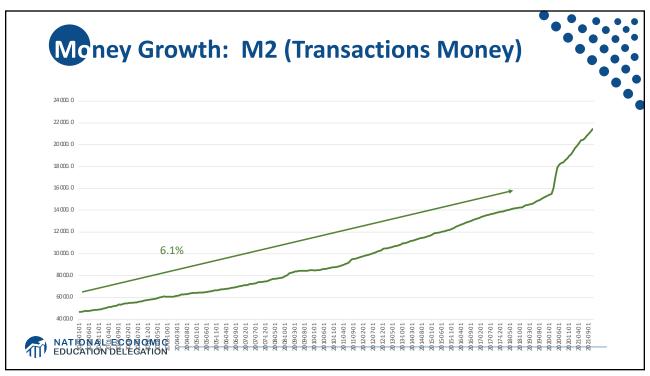
- Supply Chains Disruptions:
 - the pandemic has impacted the ability to get parts and supplies.
 - Labor shortages and rising wages have raised costs and help push up prices.
- Increased Demand:
 - During the pandemic there has been an increase in demand for goods. For many of these goods, it is not easy to ramp up production.
 - The fiscal and monetary authorities have provided lots of stimulus.







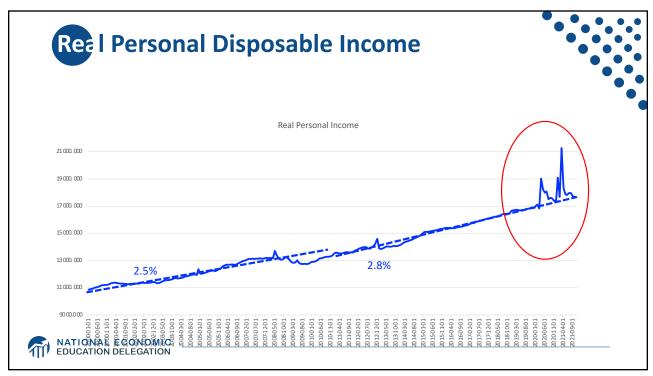


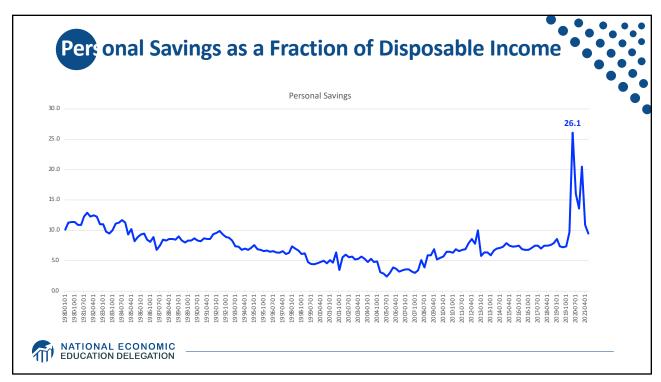


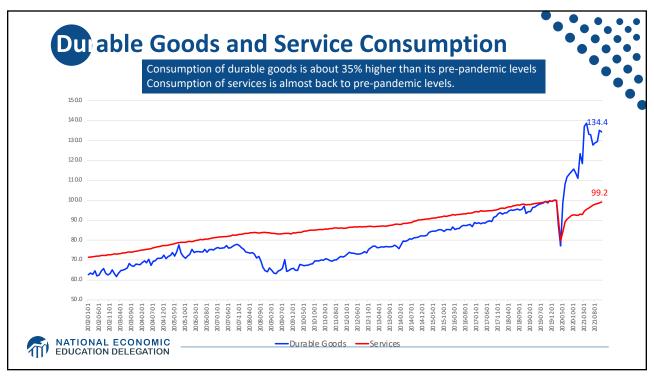


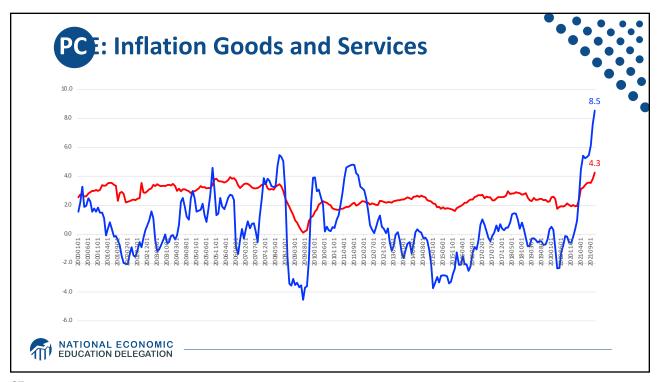
Growth Rate of Money Stock (percent per year)	Beginning of Period	End of Period
6.1	January 2000	March 2020
46.3	April 2020	June 2020
12.3	July 2020	November 2021

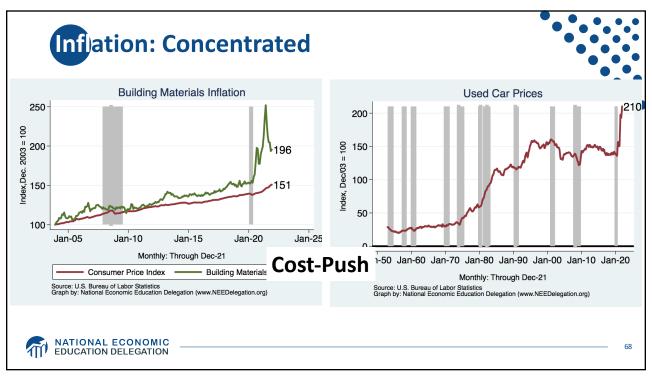


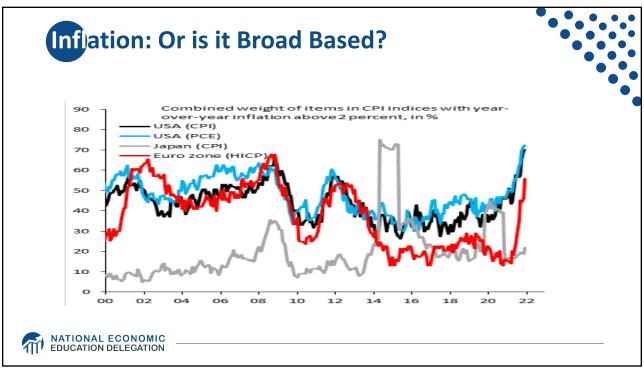












Is It flation Permanently Higher?



• Fed: Price increases may be:

- 1) rebound from low prices last year;
- 2) temporary due to supply chain disruptions; e.g., used cars, bldg supplies.
- 3) influenced by rising wages in the future.

• Omicron:

- Lessen inflation in the short term.
- Increase it in the long term by increasing supply chain issues.

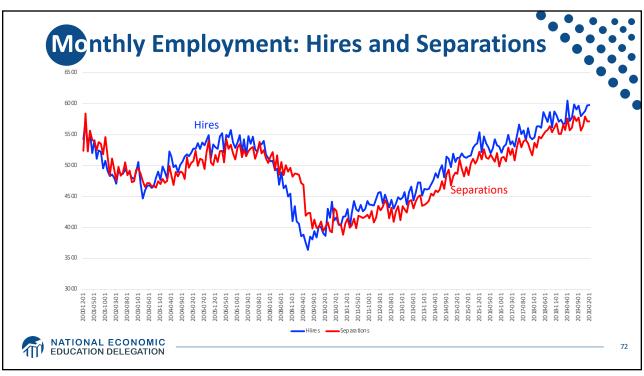
• Nobody knows, but Fed has wavered in its optimism.

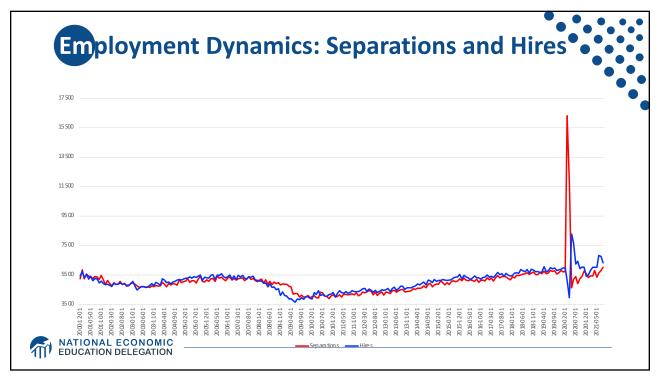
- Uncertainty hurts both workers and businesses – hard to plan.

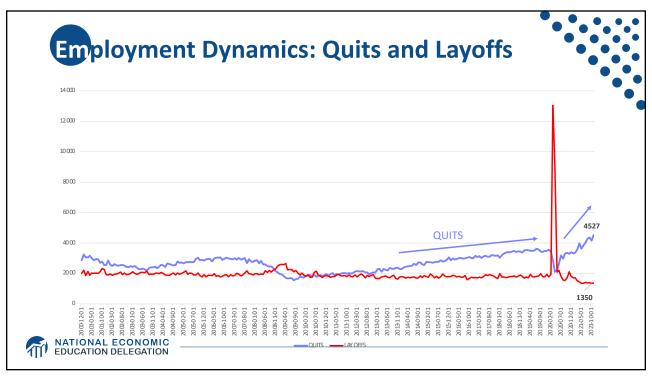


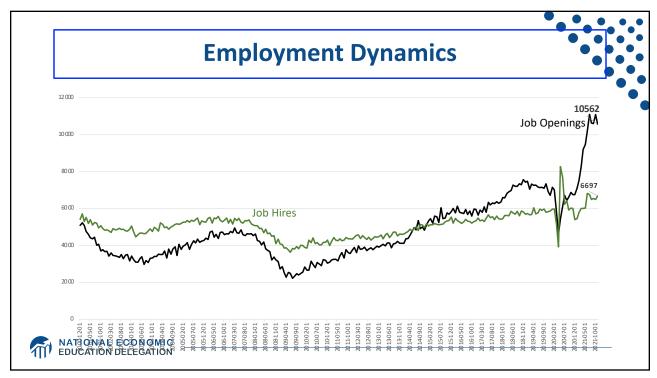
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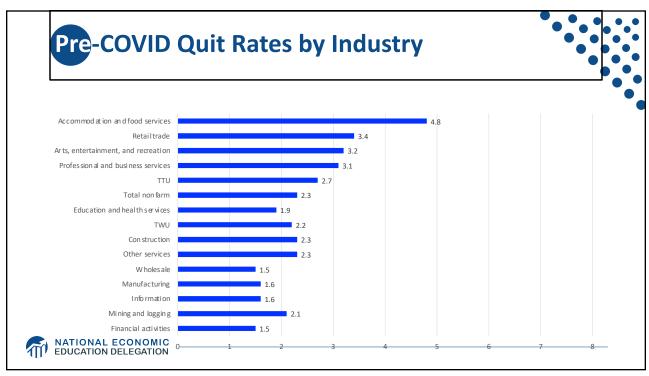


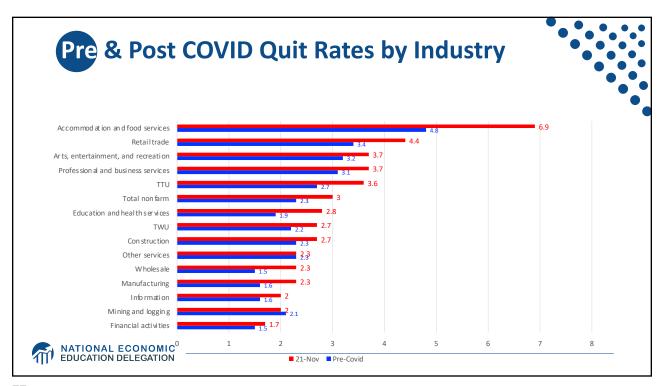




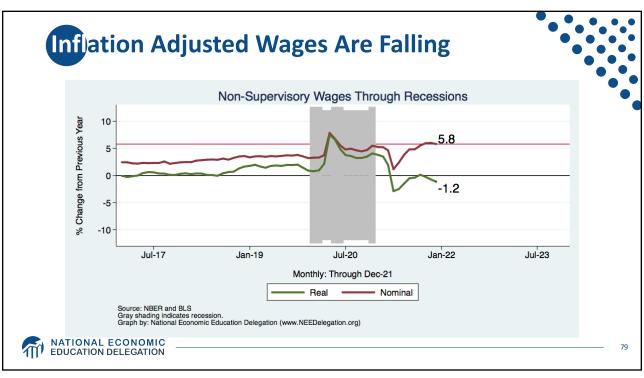








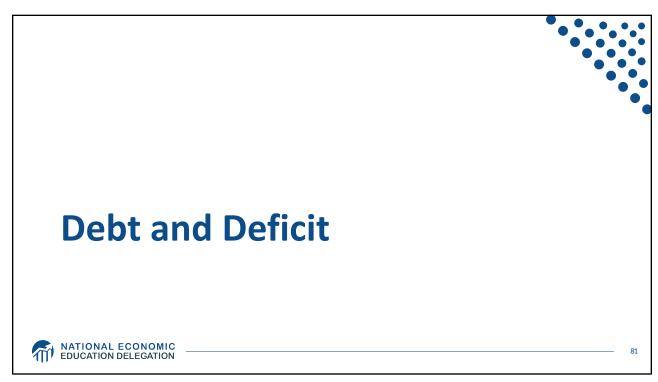


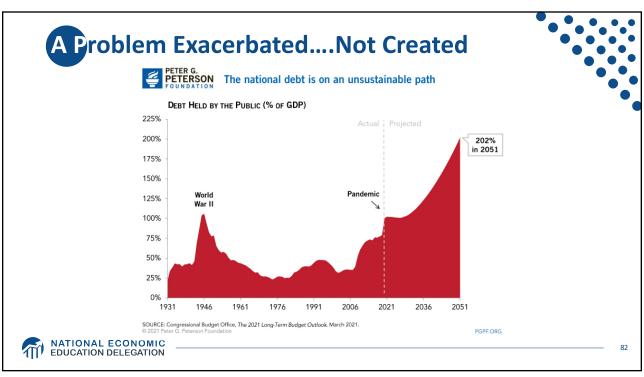


Great Resignation: Employment Situation

- Employment is still on the rebound rebound
- The real challenge has been for employers to fill vacancies.
- What gives?
 - Extended (or expected continuation) unemployment benefits and other stimulus payments
 - Parents with young children at home.
 - Workers reluctant to work in certain industries and occupations
 - Workers looking for different career opportunities.
 - Workers looking for better employment opportunities withing their industry/occupation – non-pecuniary benefits
 - $_{\odot}\,$ Increased desire to have the option to work from home.
 - o Better working conditions
 - Recognition of accomplishments







Current Deficits in Perspective:



• The budgetary cost of the 3 major fiscal packages during the pandemic was over \$5 trillion. As a share of the economy this is almost the size of war production in 1943.

(Romer, Brookings Papers on Economic Activity, 3/25/2021.)

• Since March of 2021, Fed net holdings of US Treasury bonds have increased by \$2.7 trillion.



83

83

The End



84

Conclusion

- Recovery is well underway, but may be slowing.
- GDP expanded 5.7% percent in 2021, likely 3-4% in 2022.
- 2021 was an odd year.
 - Workers attained the upper hand.
 - Supply chains broke.
 - Inflation surged.
 - The economy rebuilt itself.
- Biggest problems:
 - Supply chain bottlenecks.
 - Labor force participation.



85

85

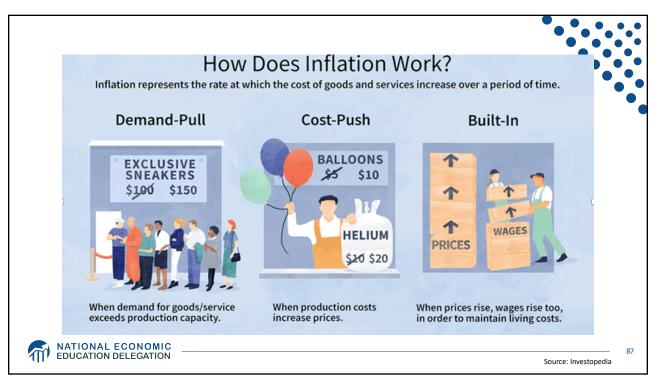
Best Measures of Progress

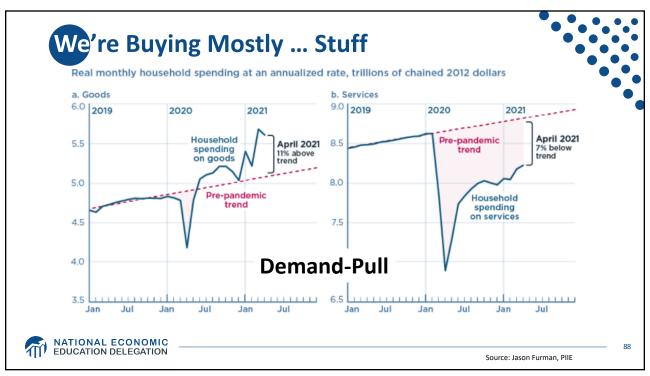
- INFLATION getting it under control.
- REAL WAGES— need to see progress.
- WORKFORCE PARTICIPATION need growth here to get GDP growth.

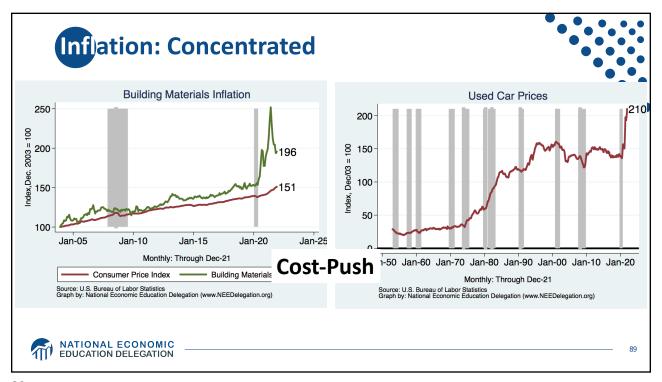
Pay no attention to the unemployment rate.

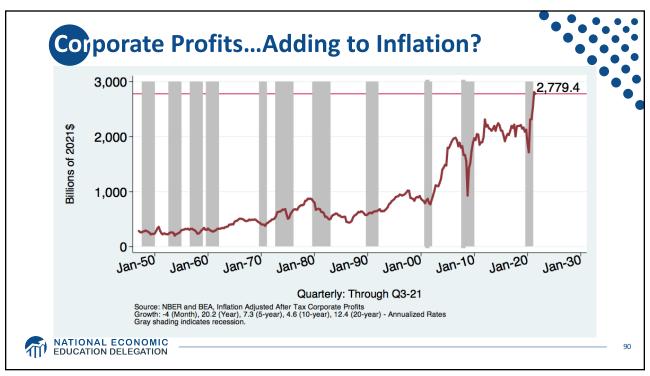


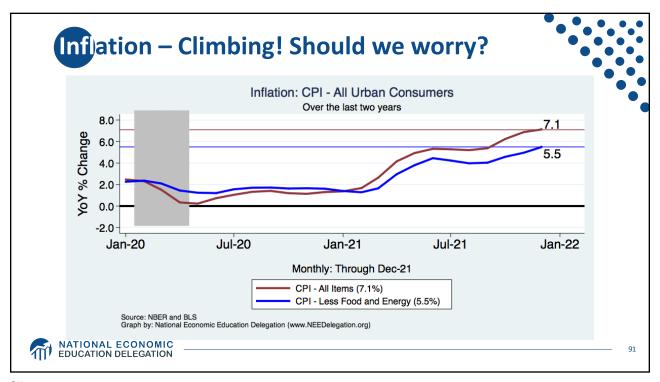
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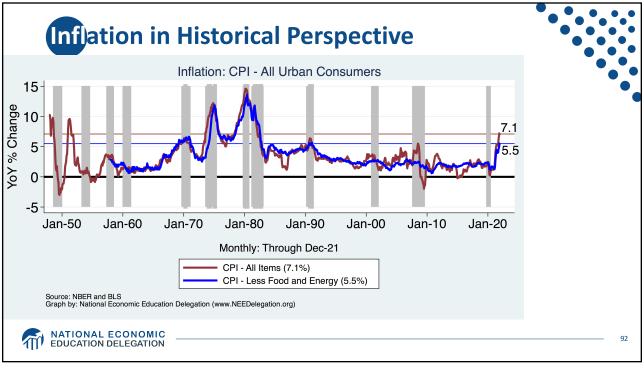


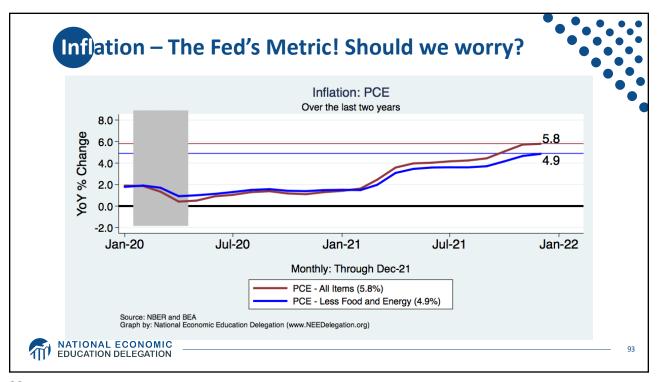


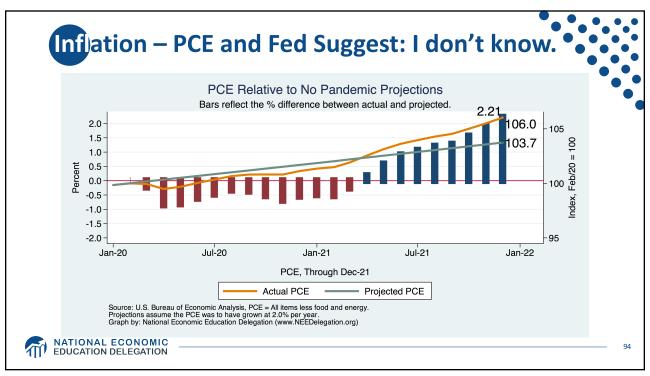


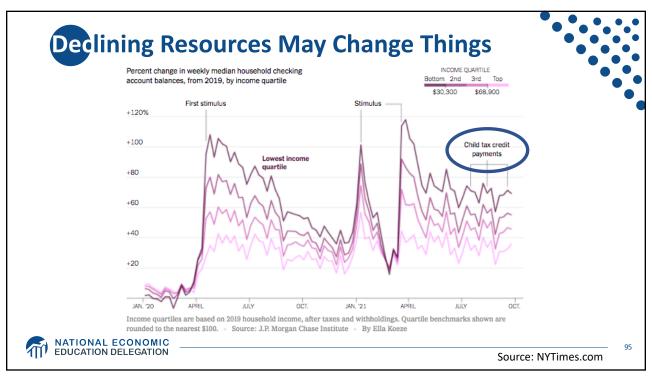


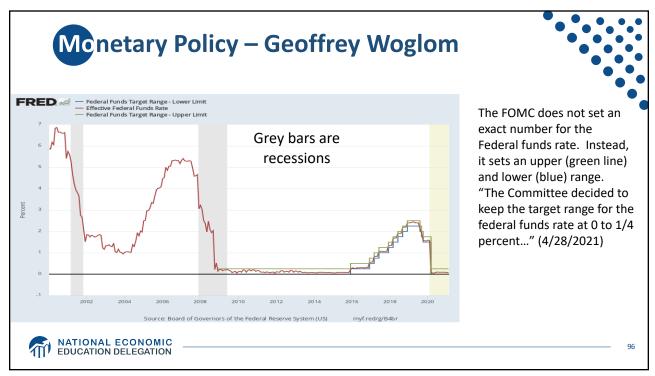














Any Questions?

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Contact NEED: info@NEEDelegation.org

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Become a Friend of NEED: www.NEEDelegation.org/friend.php



97

97

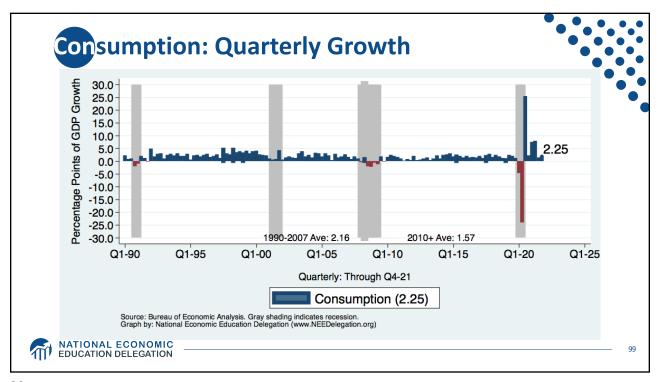
Structural Changes?

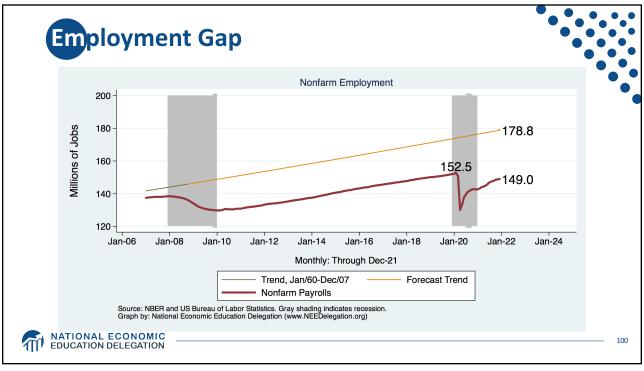
- Pandemic has been an accelerant.
 - Not a change agent.
- Retail
- Telecommuting
- Telehealth
- Business travel?

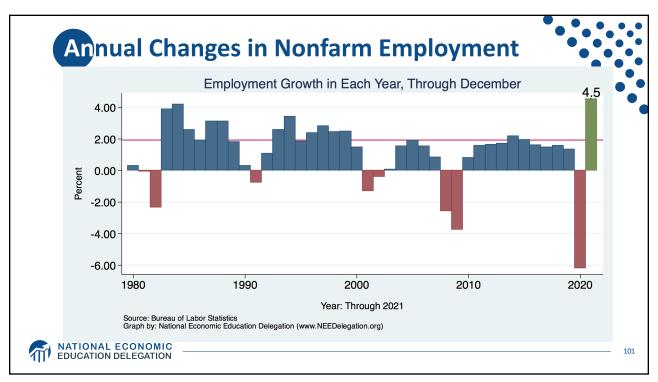
- Wealth concentration
- Industry concentration
- Automation

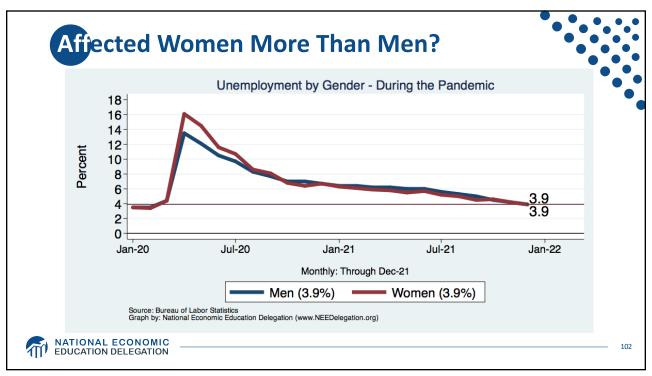


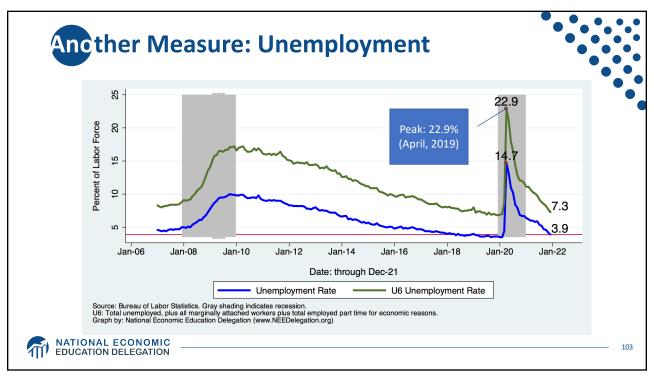
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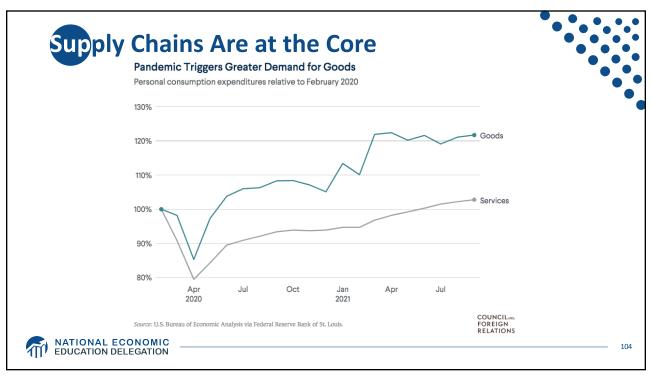


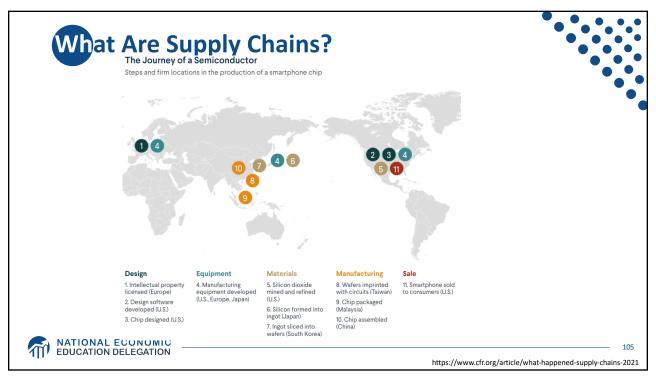


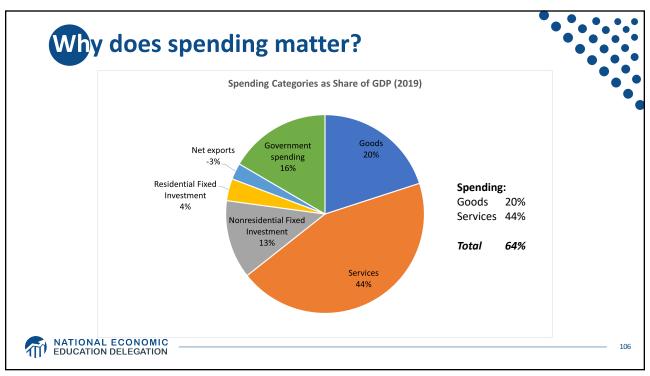


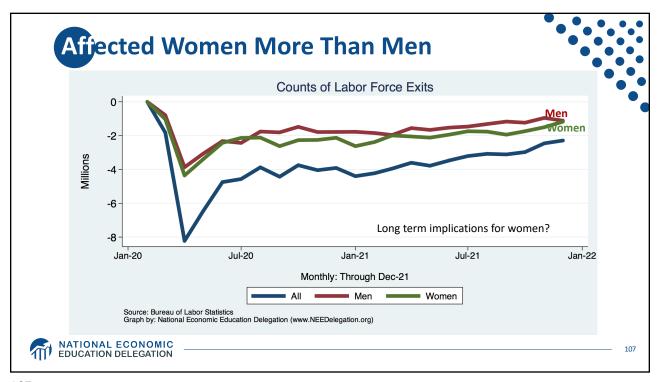












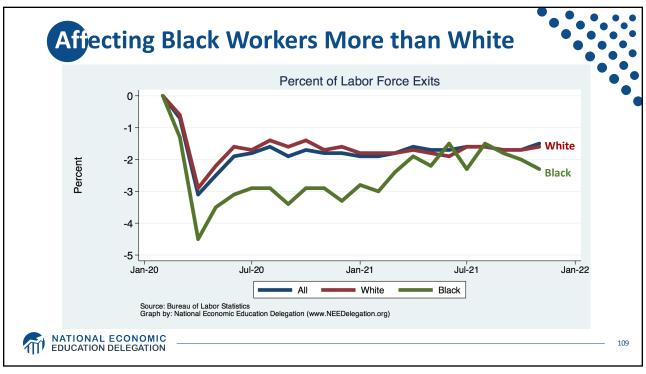
Why Women More Than Men?

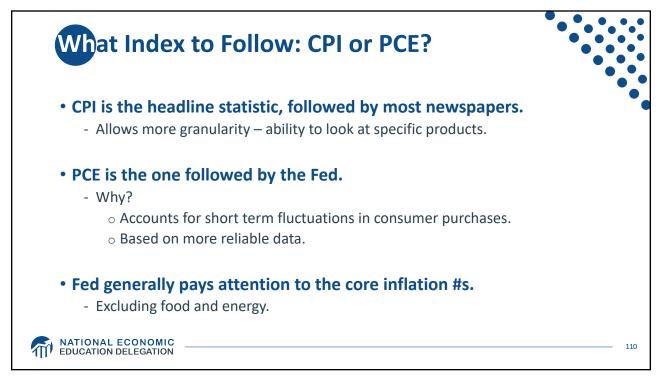


- Our childcare and school systems don't meet the needs of working mothers.
- COVID-19 has upended the labor market, with disastrous consequences for working women and their families.
 - Many women continued working in high risk jobs.
- The difference in impact is waning.



108





Inflation: Critical Issues



Inequities

- Price changes vary wildly across goods.
- How inflation hits you depends on what you buy and your level of income.
 - o Some evidence that lower income individuals face higher inflation.

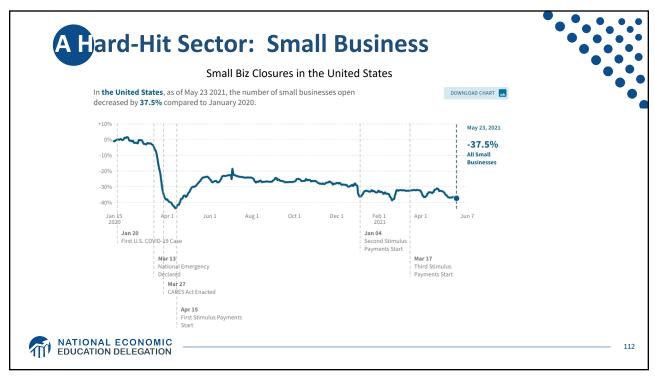
Online inflation is much lower than the CPI

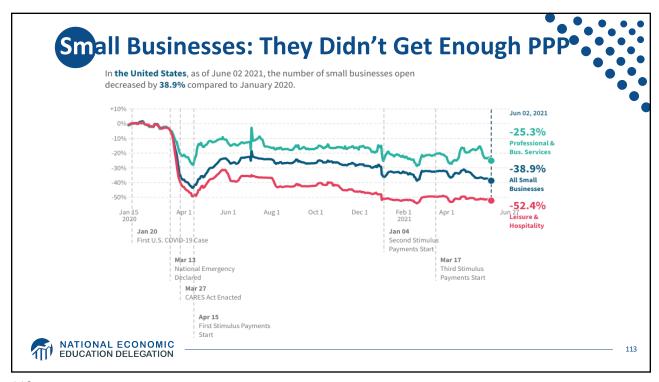
- Estimates suggest about 2% lower.
- Both have implications for the policy response.
 - Safety net? Antitrust action?



111

111





A "K-shaped" recovery?

Executive Summary

- Those with financial wealth/residential real estate have seen its value grow in excess of inflation.
- High income earners (>60k/yr) have largely kept their jobs;
 - middle and low income earners have depressed employment rates
- Women are disproportionately exiting labor force.
- Food insecurity has been very high.



11





- · Resources to weather the storm.
- Racial inequities.
- Educational inequities
- Telecommuting
- Low wage jobs are at risk.



115

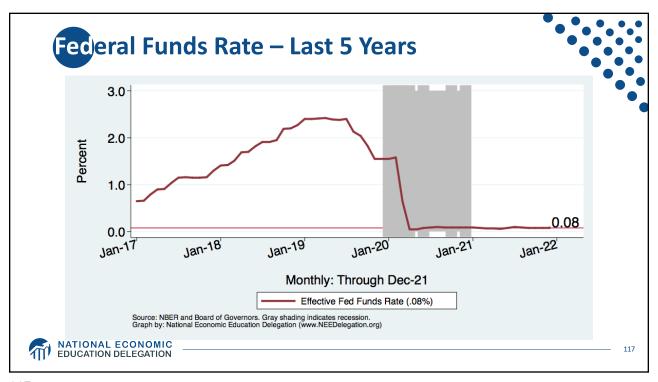
Monetary Policy: Federal Reserve

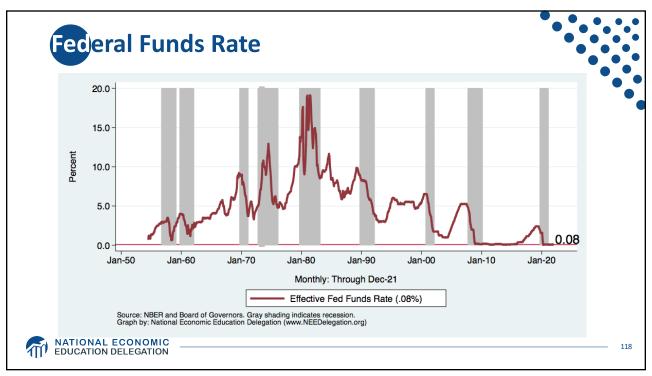


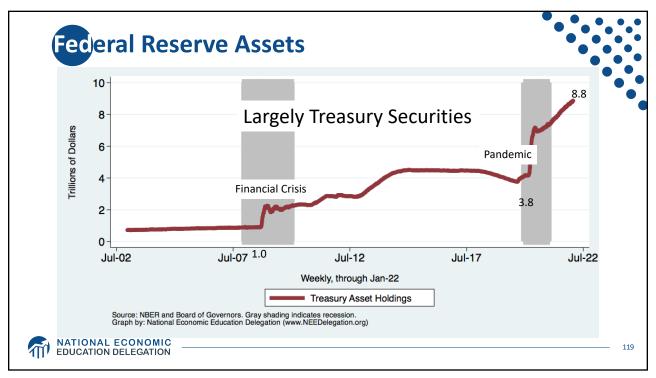
- Primary goal is to keep interest rates low, to facilitate continued borrowing.
 - Federal Funds Rate rate at which banks lend to each other, usually overnight.
 - Purchases of U.S. Treasury securities keep money flowing to the government at low rates of interest.

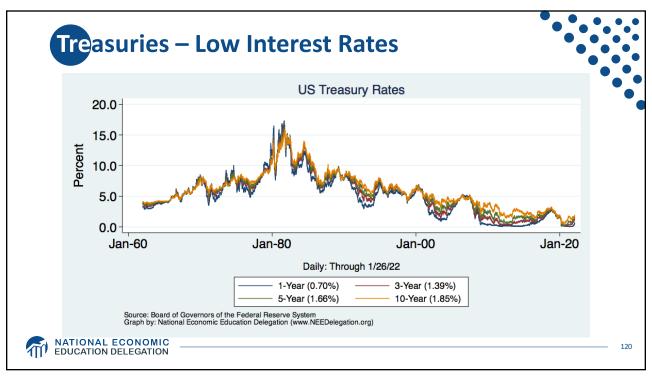


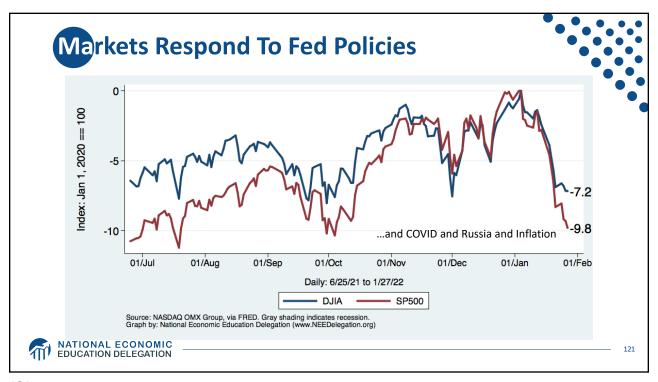
116















www.NEEDelegation.org/LocalGraphs

For every state and county in the United States.

Detailed graphs on employment, housing, moves, and other statistics.



123

123



Osher Lifelong Learning Institute, Winter 2022 Contemporary Economic Policy

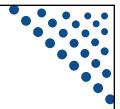
Clemson University January-February, 2022

National Economic Education Delegation



124

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.



125

125

Wro Are We?

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: 649+ members

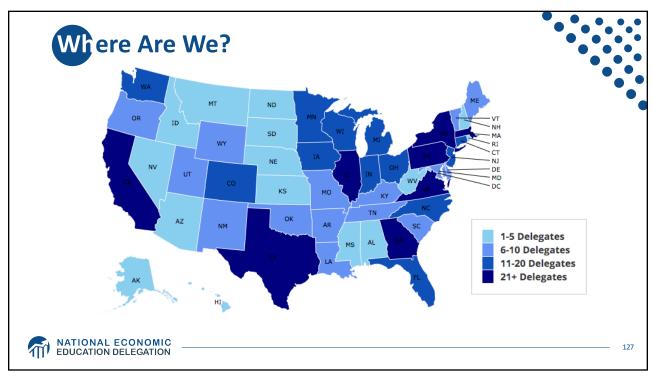
- At all levels of academia and some in government service
- All have a Ph.D. in economics
- Crowdsource slide decks
- Give presentations

Global Partners: 48 Ph.D. Economists

- Aid in slide deck development



126



Available NEED Topics Include: • Immigration Economics Coronavirus Economics Housing Policy US Economy • Federal Budgets Climate Change Economic Inequality Federal Debt Economic Mobility • Black-White Wealth Gap Trade and Globalization Autonomous Vehicles Minimum Wages • US Social Policy NATIONAL ECONOMIC EDUCATION DELEGATION





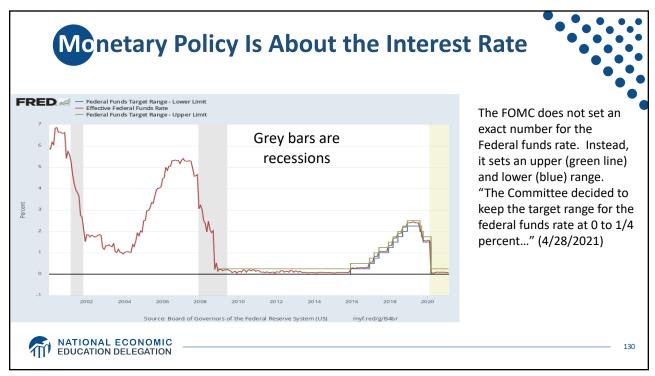
Contemporary Economic Policy

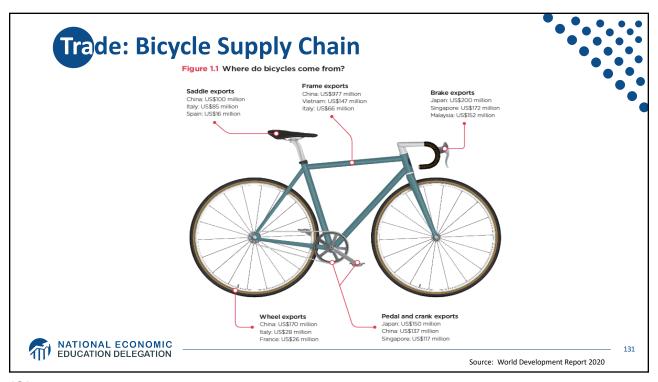
- Week 1 (1/31): US Economy & Coronavirus Economics
- Week 2 (2/7): Monetary Policy (Geoffrey Woglom, Amherst College)
- Week 3 (2/14): Trade (Alan Deardorff, University of Michigan)
- Week 2 (1/21): Climate Change Economics (Sarah Jacobson, Williams College)

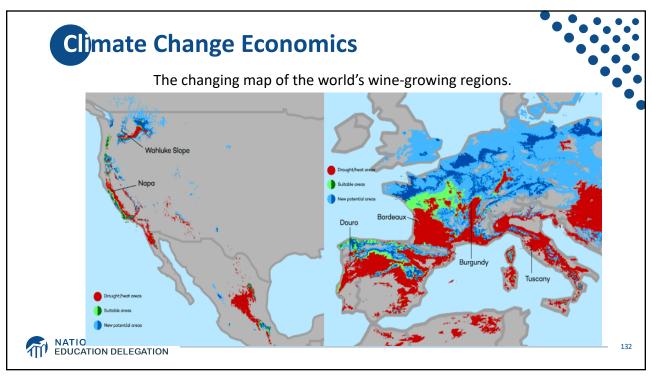


129

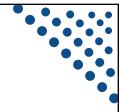
129











- Please submit questions in the chat.
 - I will try to handle them as they come up, but may take them in a bunch as time permits.
- We will do a verbal Q&A once the material has been presented.
 - And the questions in the chat have been addressed.
- OLLI allowing, we can stay beyond the end of class to have further discussion.



133





US Economy and Coronavirus Economics

Scott Baier, Ph.D. Clemson University

National Economic Education Delegation



NATIONAL ECONOMIC EDUCATION DELEGATION

13

Credits and Disclaimer



- This slide deck was authored by:
 - Jon D. Haveman, NEED
 - Scott Baier, Clemson University
 - Geoffrey Woglom, Amherst College (Emeritus)
 - Brian Dombeck, Lewis & Clark College
 - Doris Geide-Stevenson, Weber State

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).



135

135

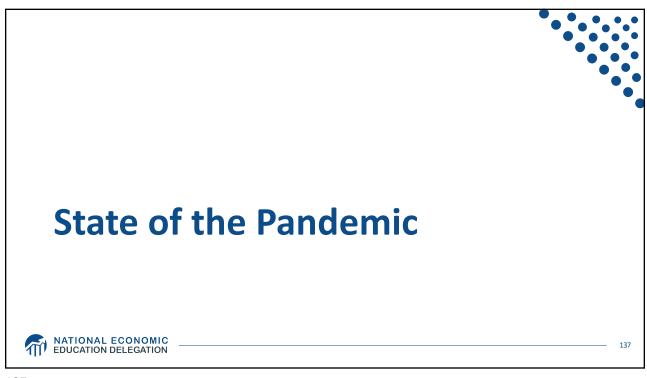


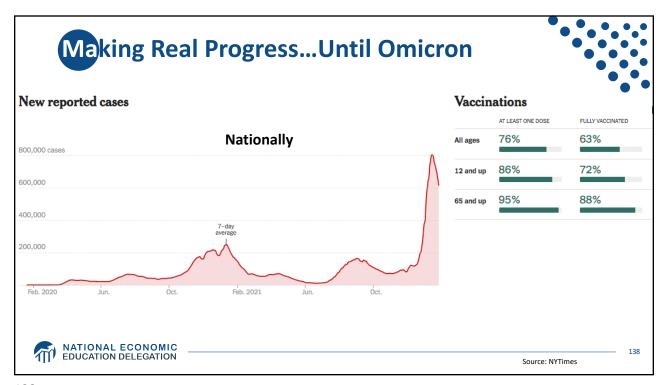


- State of the pandemic
- The U.S. Economy
- Hot Topics
 - Government policy
 - Debt
 - Inflation
 - Great resignation



13





Omicron is Making Things Difficult



Covid-related absences:

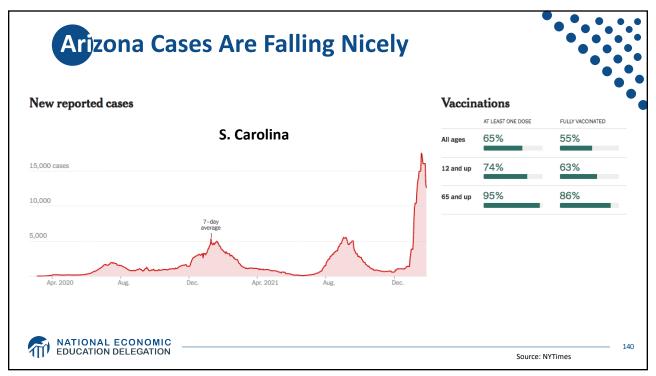
- Are creating headaches for businesses that were struggling to hire workers even before Omicron.
- Restaurants and retail stores have cut back hours.
- Broadway shows called off performances.
- Airlines canceled thousands of flights over the holidays because so many crew members called in sick;
- on one day last month, nearly a third of United Airlines Workers at Newark Liberty International Airport, a major hub, called in sick.



139

Source: NYTimes.com

139





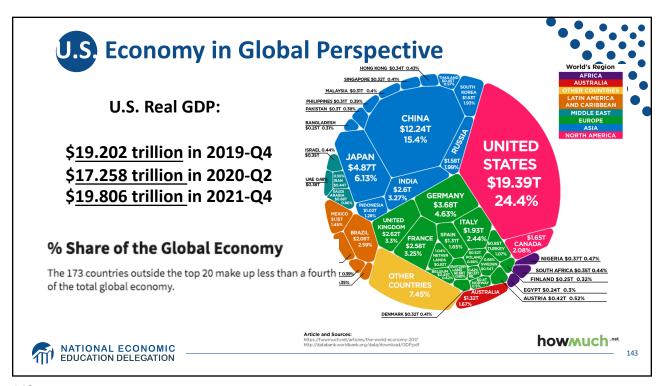
The U.S. Economy

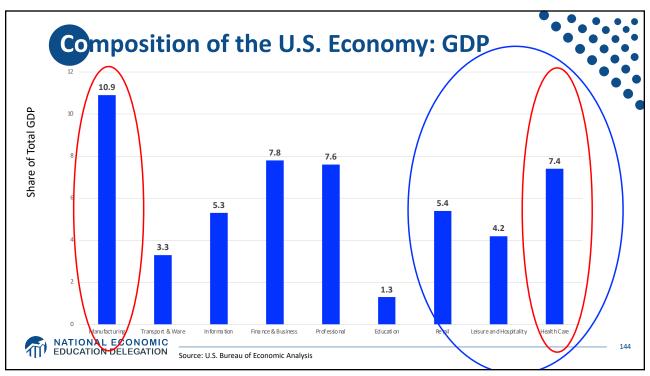


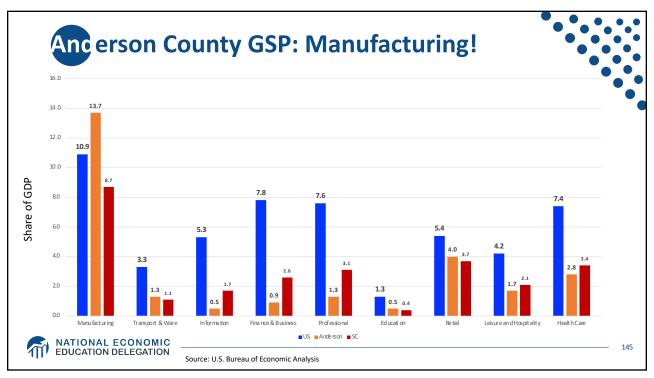
Some Basic Statistics

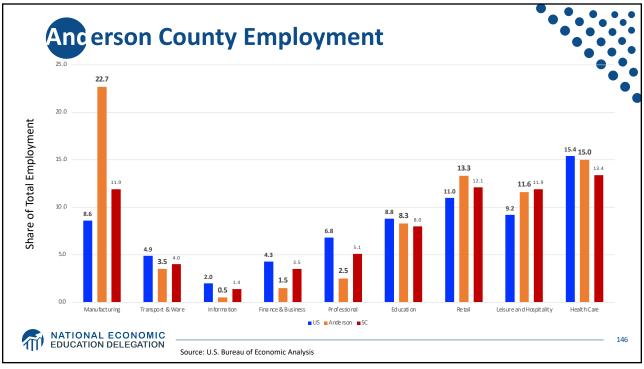
Statistic:	Value
Population	331.9 Million
Labor Force	162.3 Million
Employment	149.0 Million
Gross Domestic Product (GDP)	\$23.9 Trillion
Income per Capita	\$63,002
Ave. Hourly Earnings	\$31.31



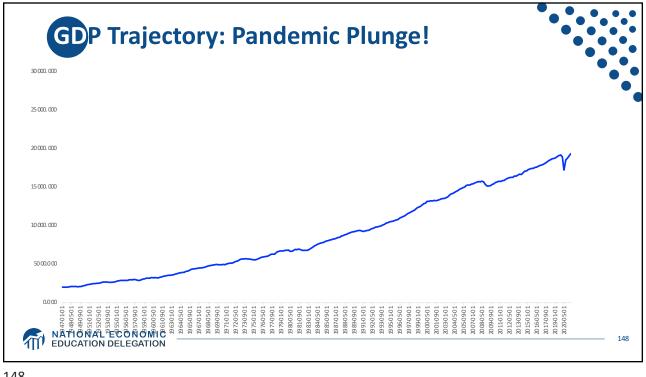


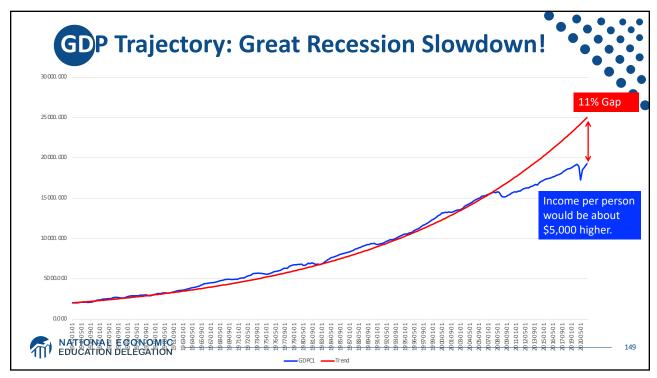


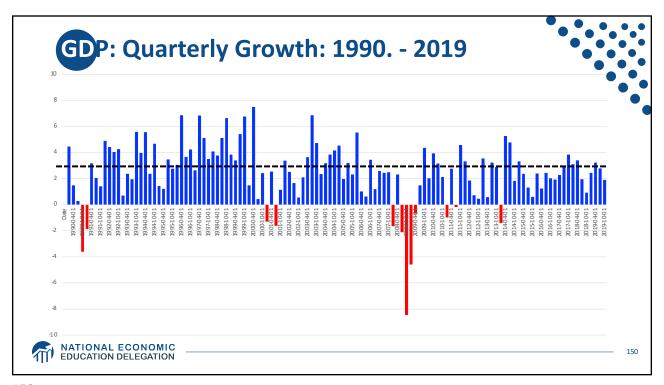


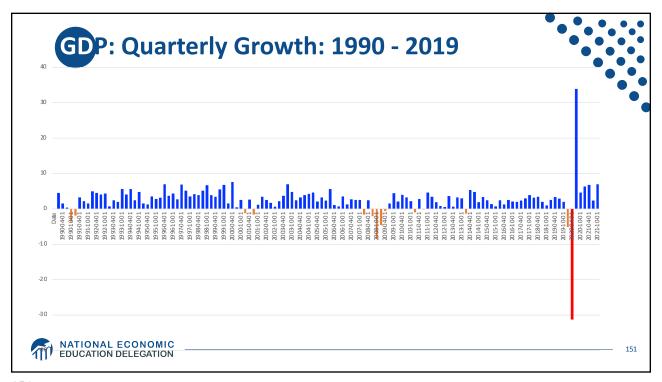


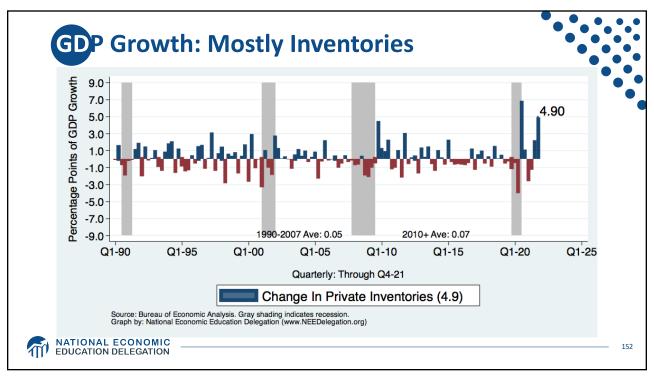


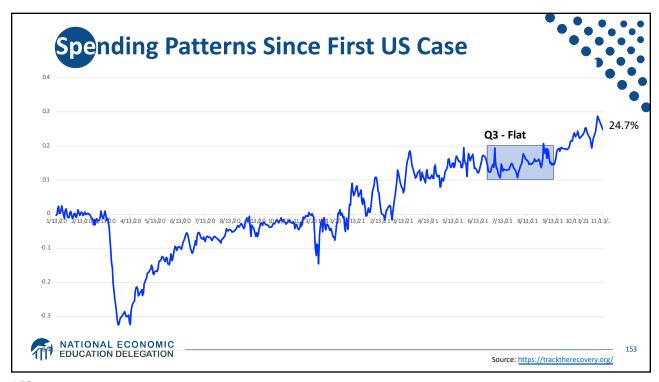


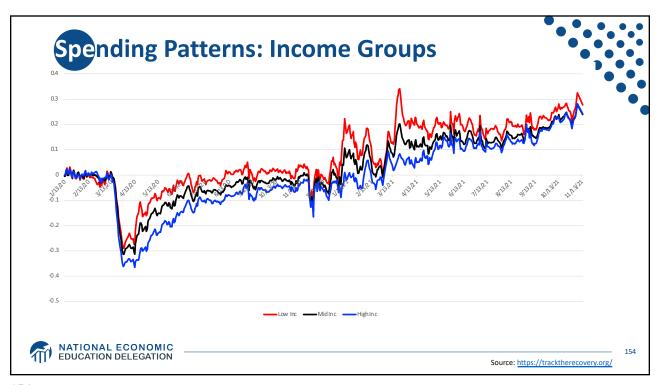


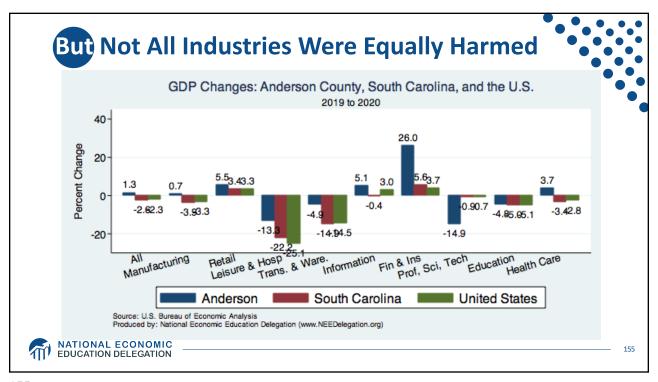


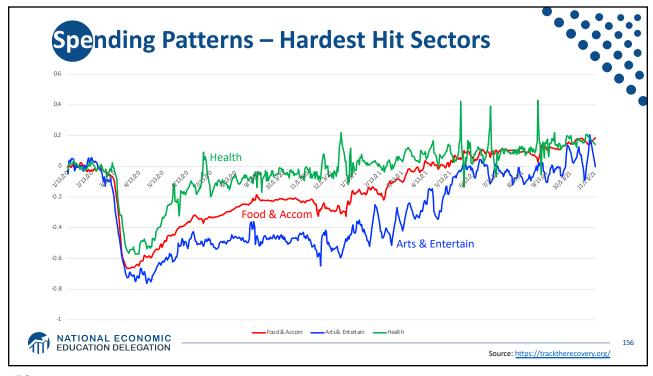


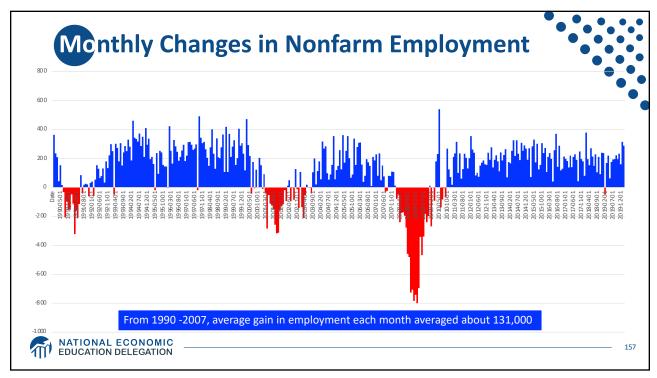


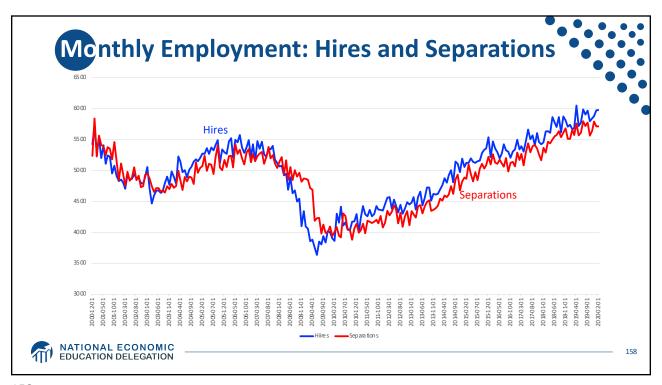


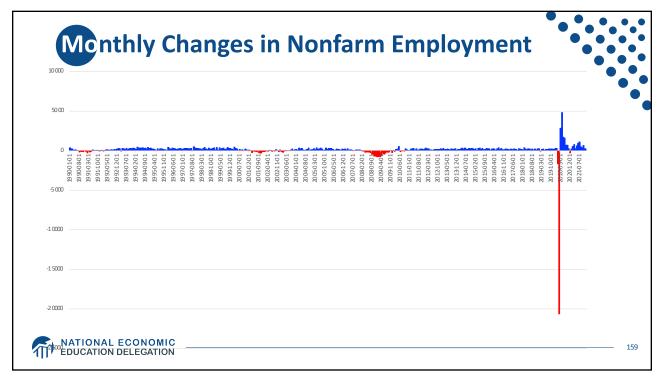


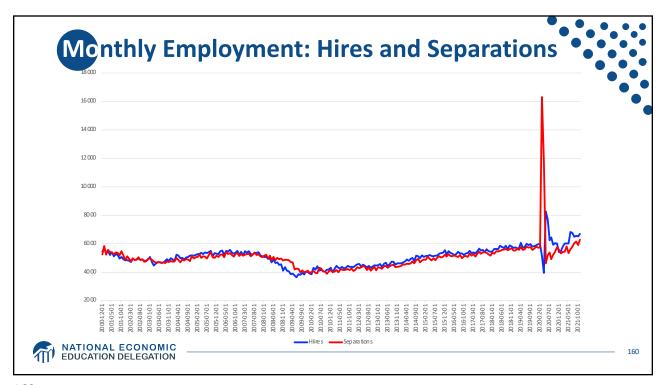


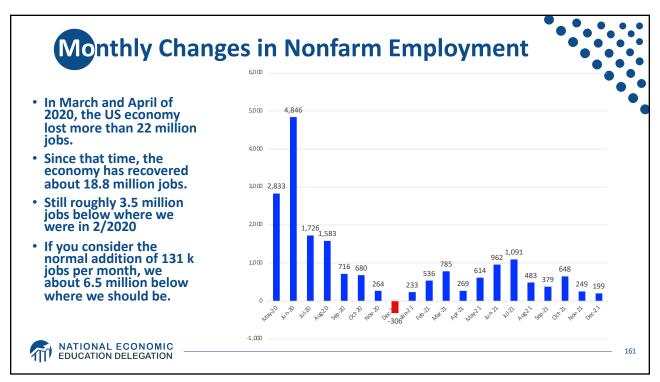


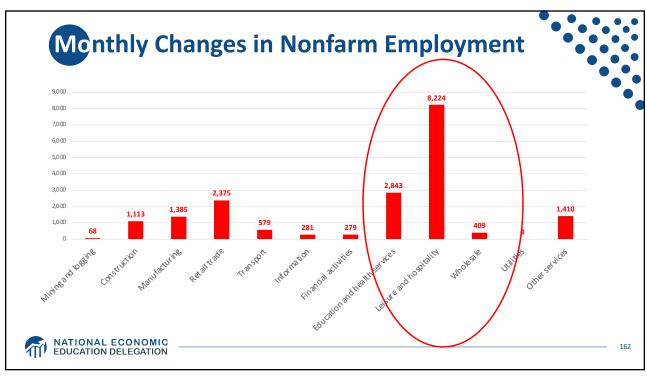


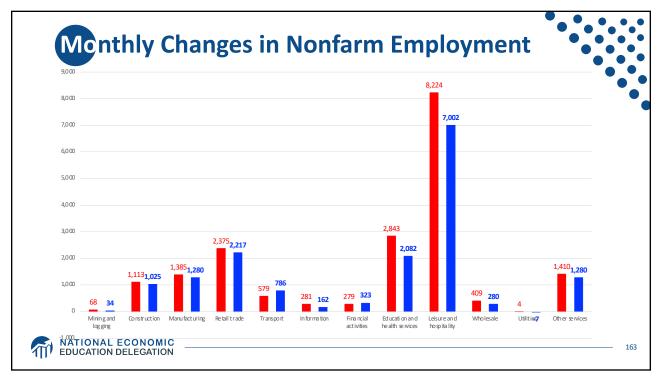


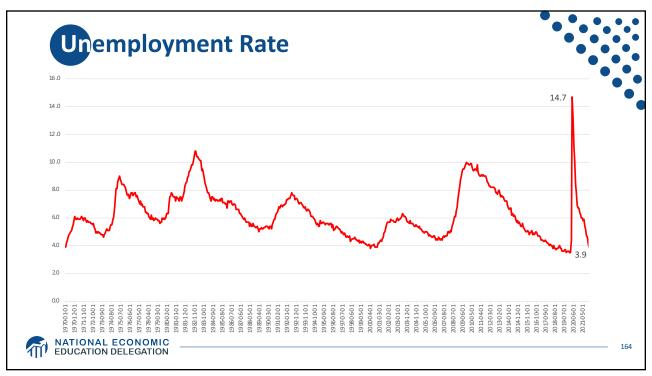


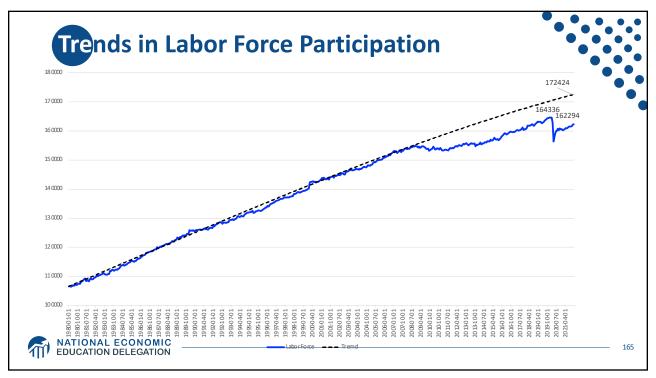


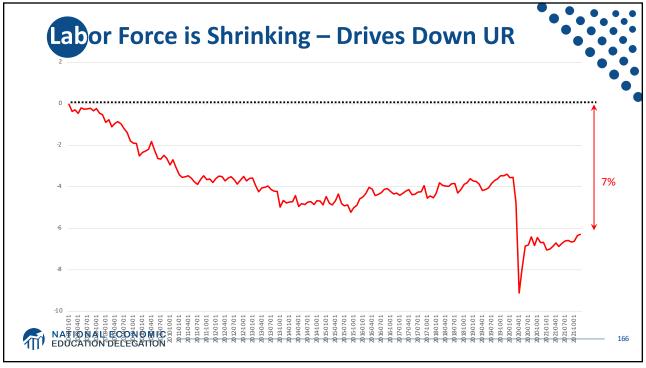


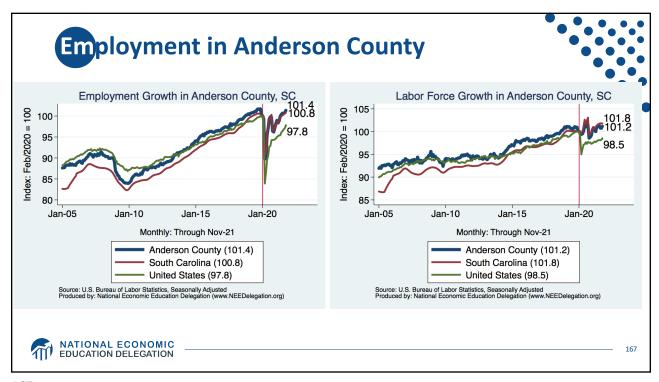


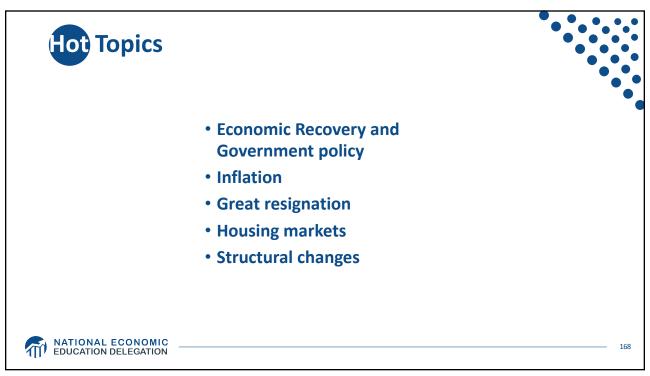


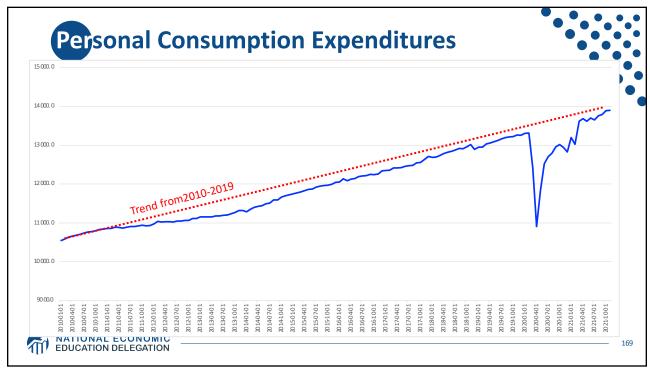


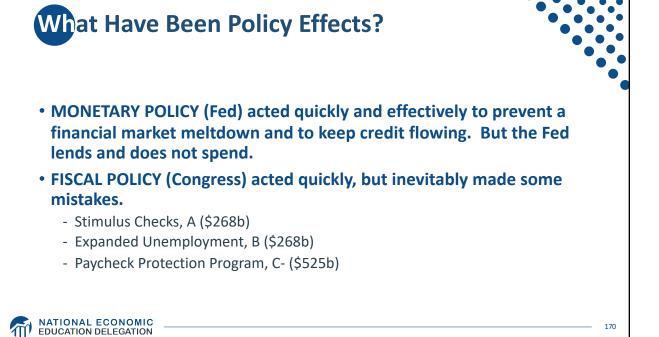


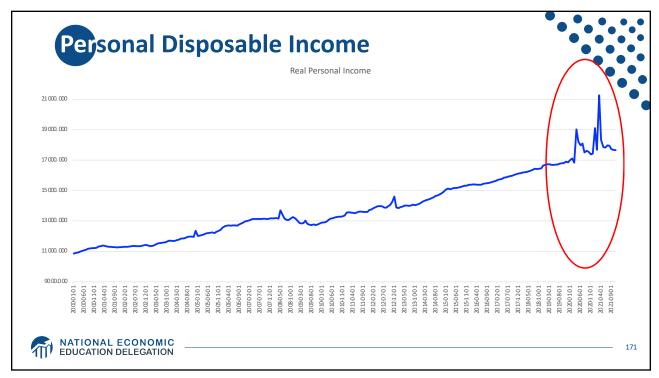


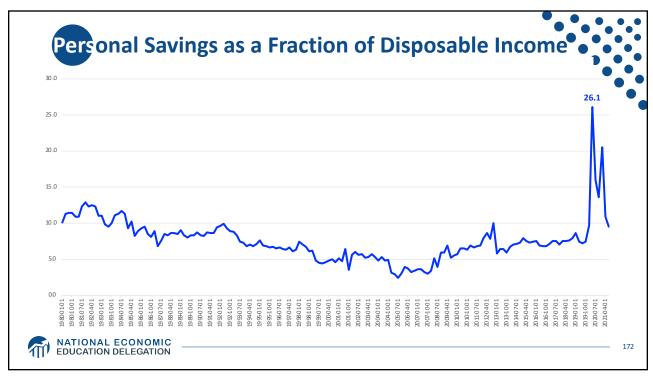


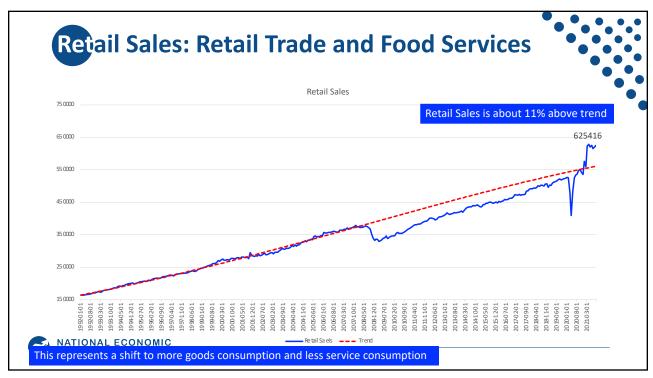


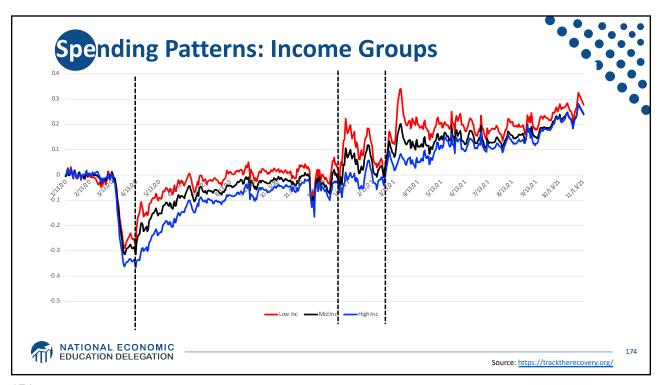


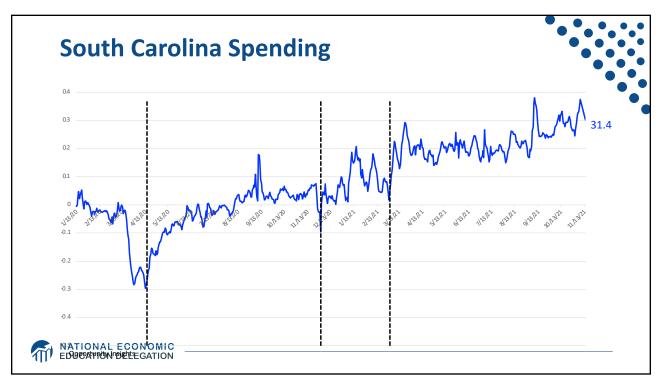


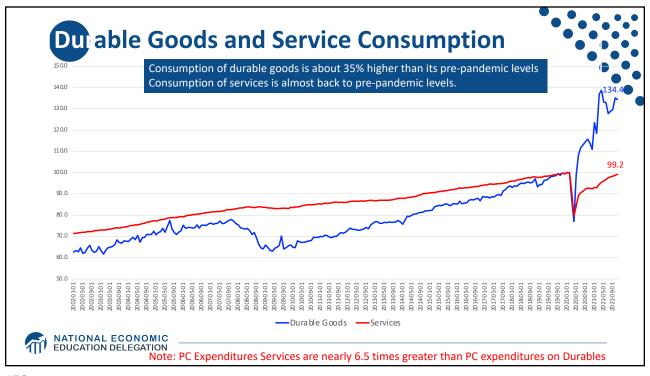


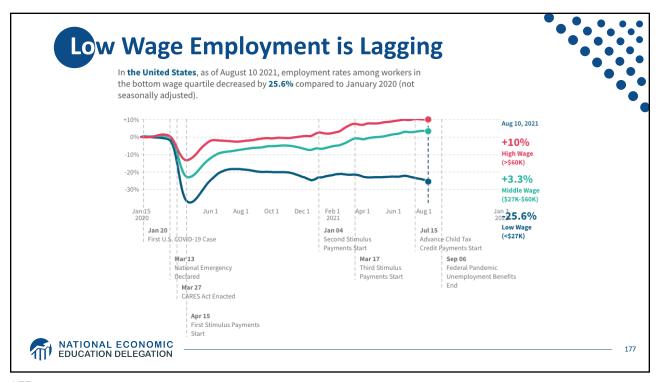


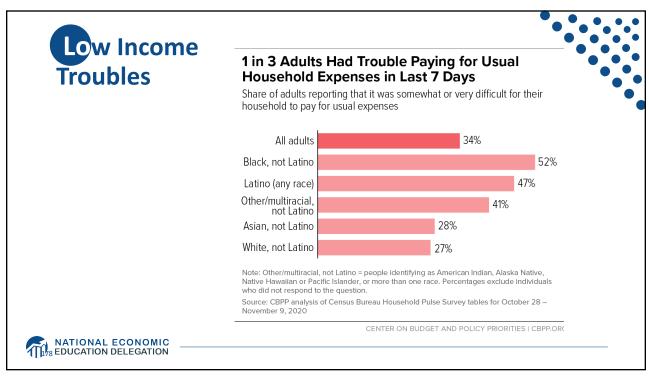














- Consumption has rebounded rapidly coming out of the recession.
- The rebound in consumption was supported by the stimulus packages that were passed by the Trump and Biden Administration.
- Compared to before the pandemic consumption has shifted more toward the consumption of goods and away from services.
 - This a demand effect that is causing some of the supply chain disruptions

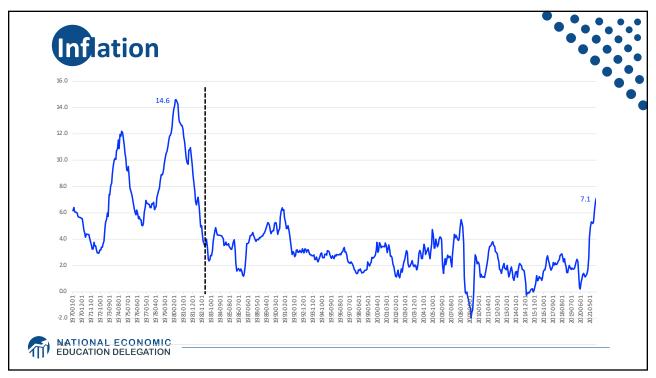




Inflation



180



What is Driving Inflation?



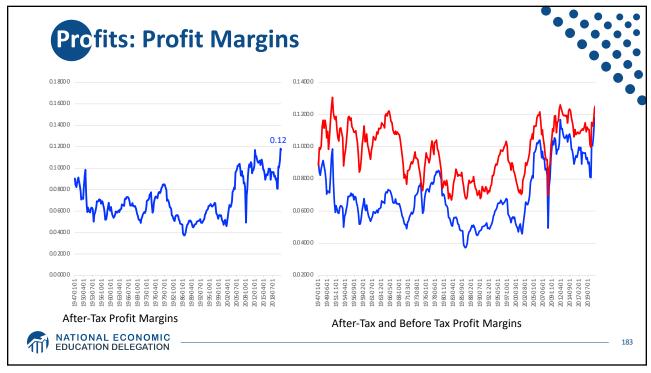
• Supply Chains Disruptions:

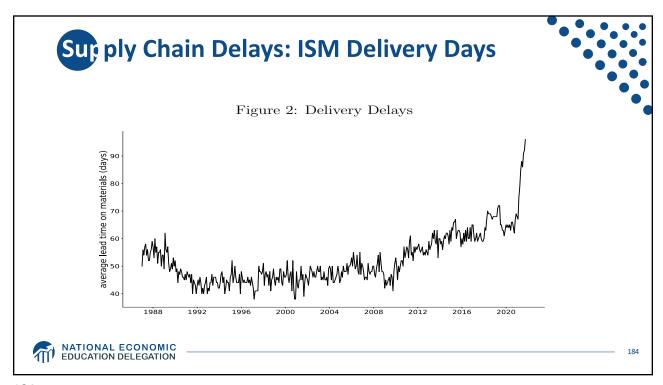
- the pandemic has impacted the ability to get parts and supplies.
- Labor shortages and rising wages have raised costs and help push up prices.

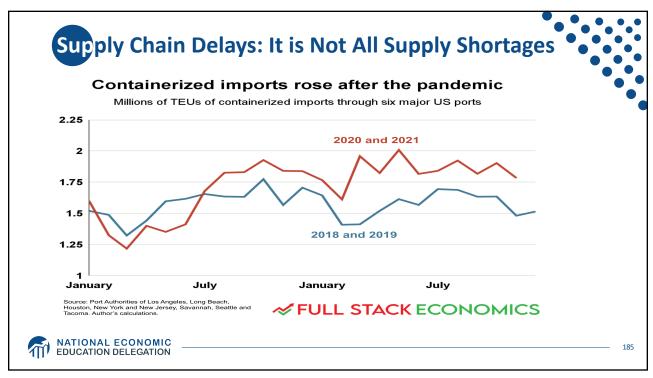
• Increased Demand:

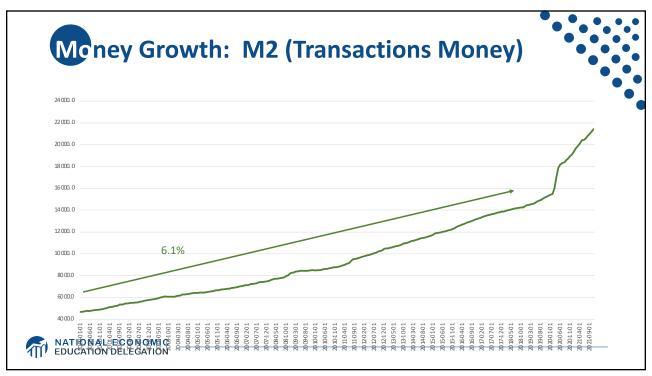
- During the pandemic there has been an increase in demand for goods. For many of these goods, it is not easy to ramp up production.
- The fiscal and monetary authorities have provided lots of stimulus.







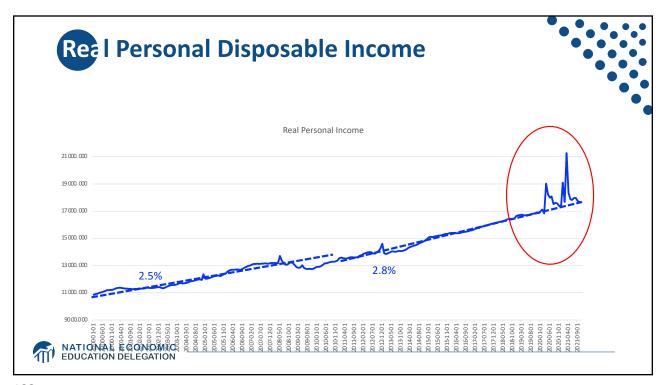


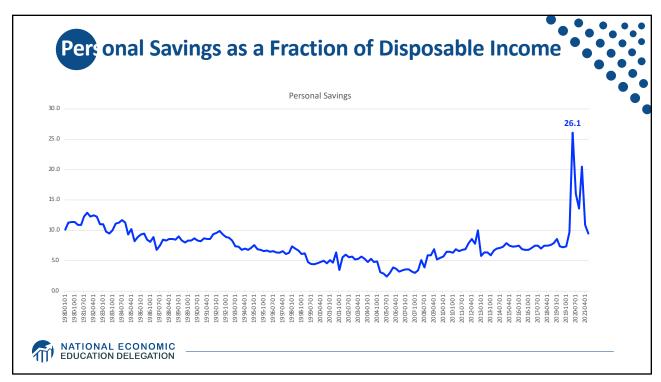


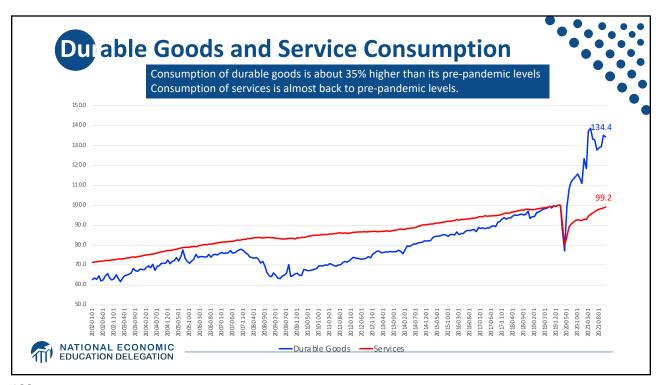


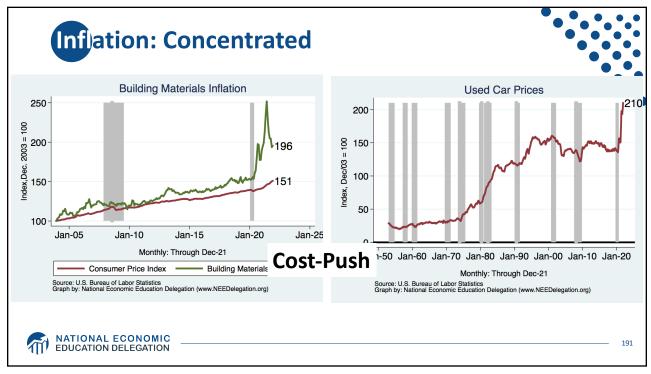
Growth Rate of Money Stock (percent per year)	Beginning of Period	End of Period
6.1	January 2000	March 2020
46.3	April 2020	June 2020
12.3	July 2020	November 2021

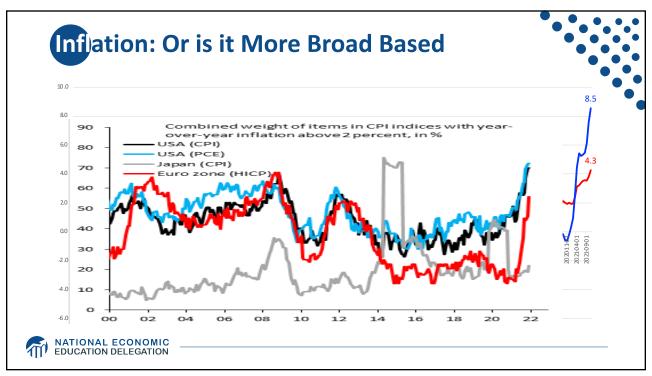




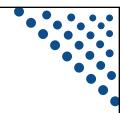








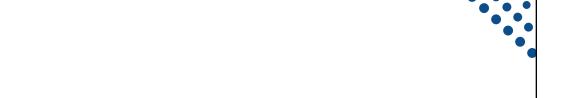




- Fed: Price increases may be:
 - 1) rebound from low prices last year;
 - 2) temporary due to supply chain disruptions; e.g., used cars, bldg supplies.
 - 3) influenced by rising wages in the future.
- Omicron:
 - Lessen inflation in the short term.
 - Increase it in the long term by increasing supply chain issues.
- Nobody knows, but Fed has wavered in its optimism.
 - Uncertainty hurts both workers and businesses hard to plan.



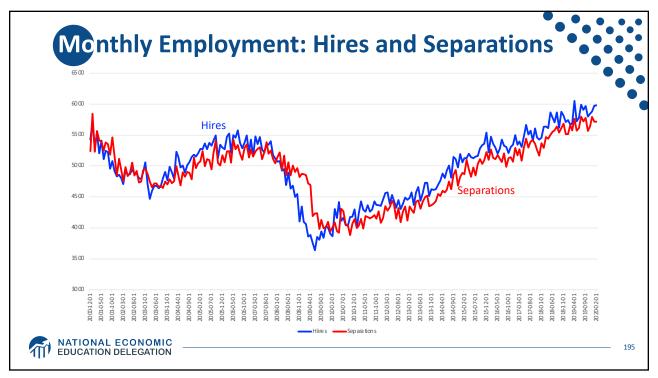
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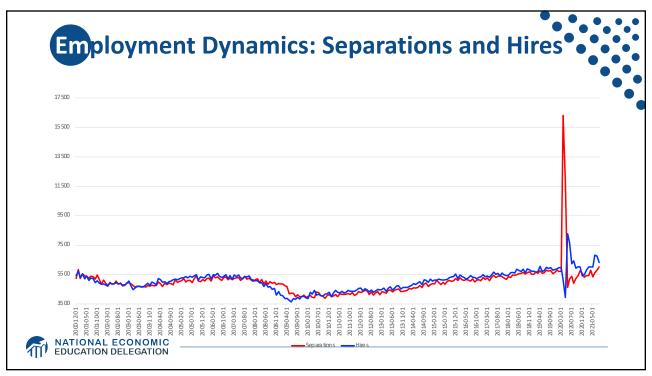


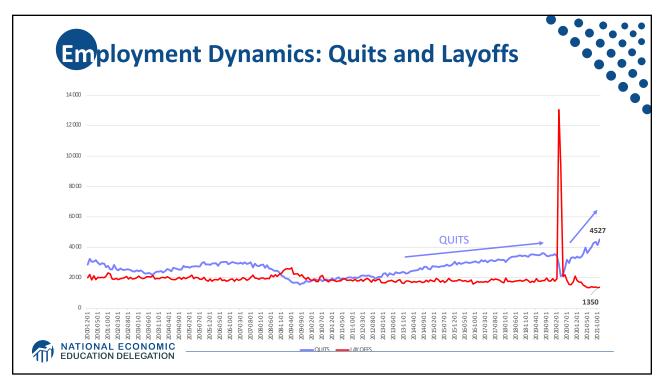
The Great Resignation

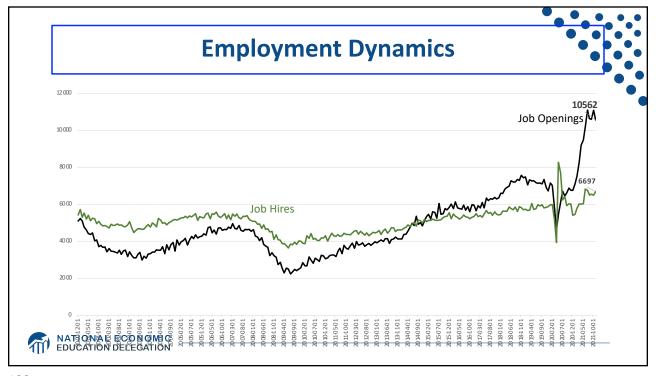


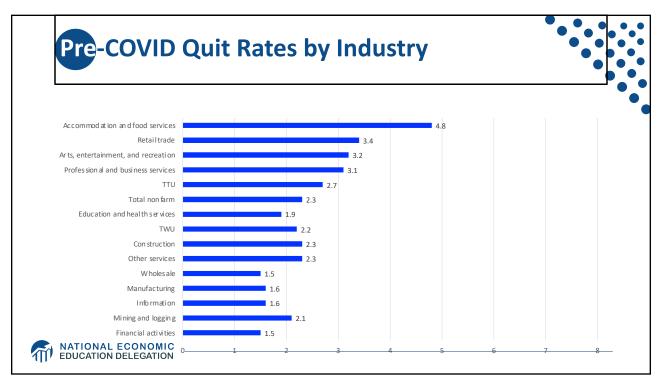
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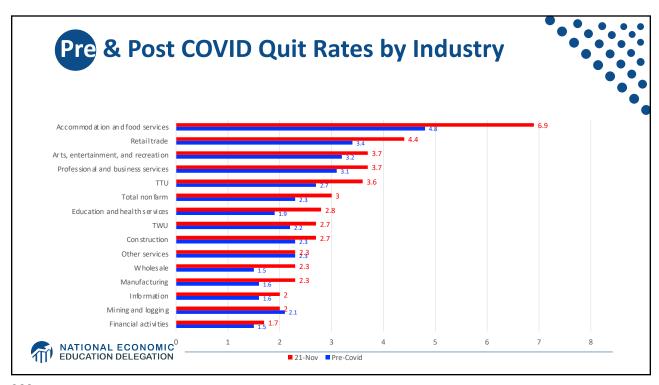




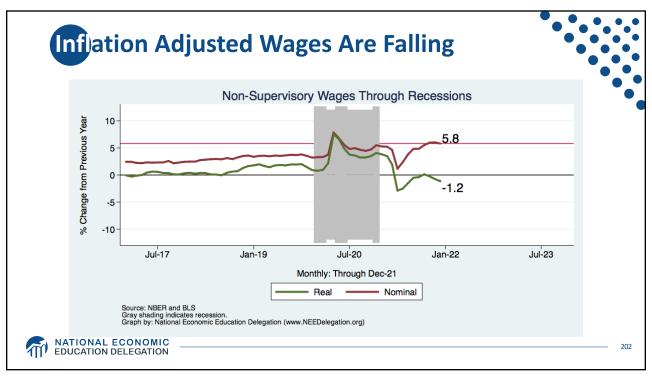












Great Resignation: Employment Situation

- Employment is still on the rebound rebound
- The real challenge has been for employers to fill vacancies.
- · What gives?
 - Extended (or expected continuation) unemployment benefits and other stimulus payments
 - Parents with young children at home.
 - Workers reluctant to work in certain industries and occupations
 - Workers looking for different career opportunities.
 - Workers looking for better employment opportunities withing their industry/occupation non-pecuniary benefits
 - o Increased desire to have the option to work from home.
 - Better working conditions
 - o Recognition of accomplishments



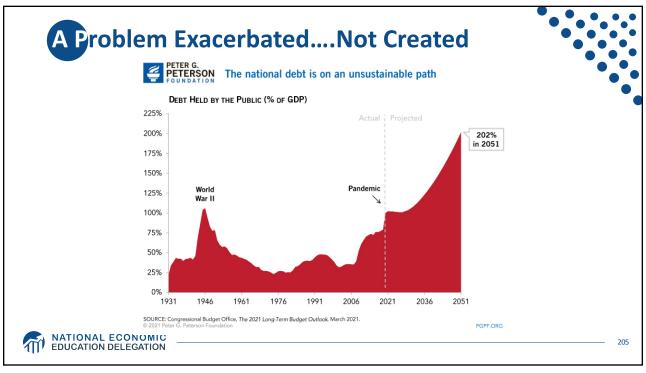
203



Debt and Deficit



20





• The budgetary cost of the 3 major fiscal packages during the pandemic was over \$5 trillion. As a share of the economy this is almost the size of war production in 1943.

(Romer, Brookings Papers on Economic Activity, 3/25/2021.)

• Since March of 2021, Fed net holdings of US Treasury bonds have increased by \$2.7 trillion.

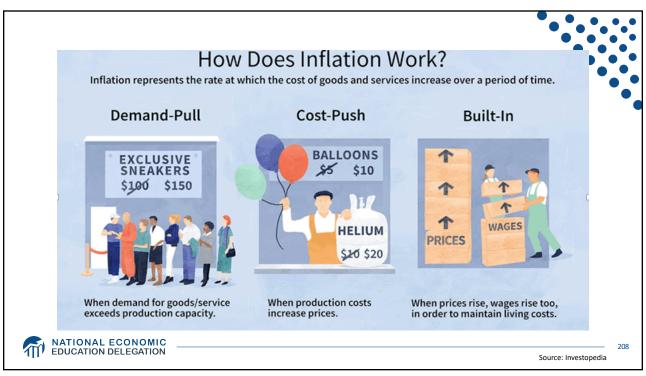


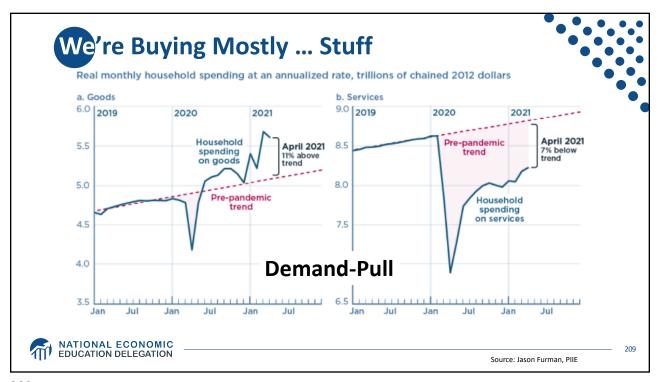
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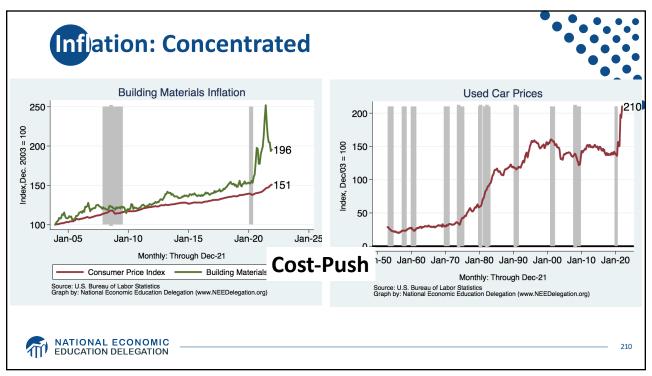


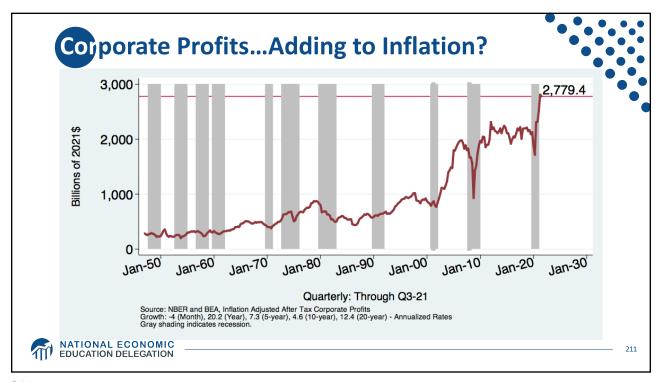
The End

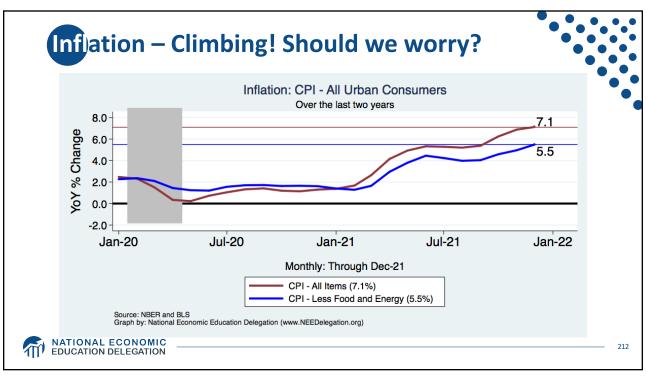


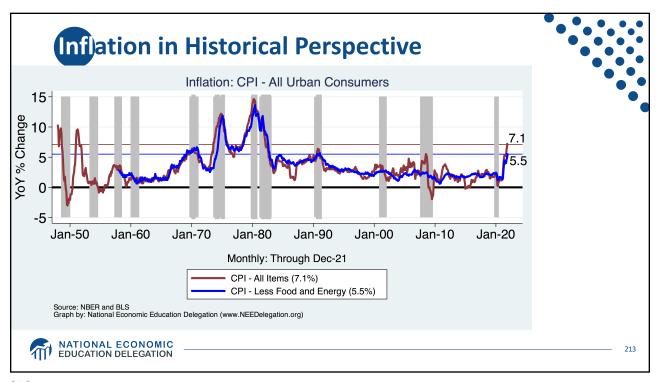


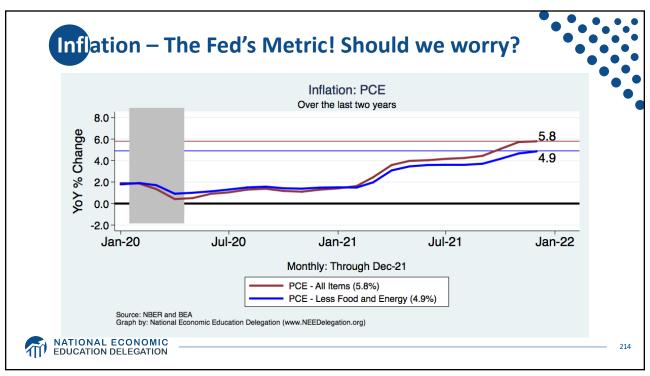


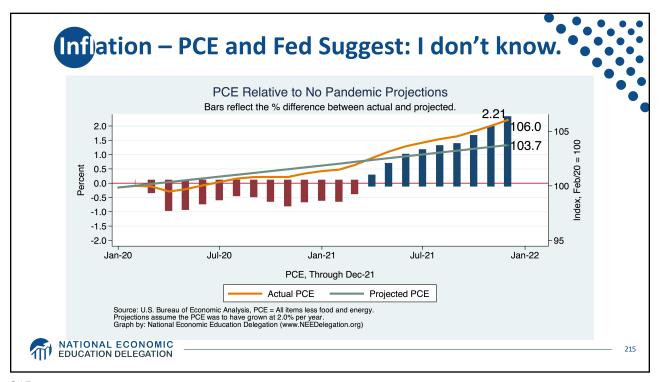


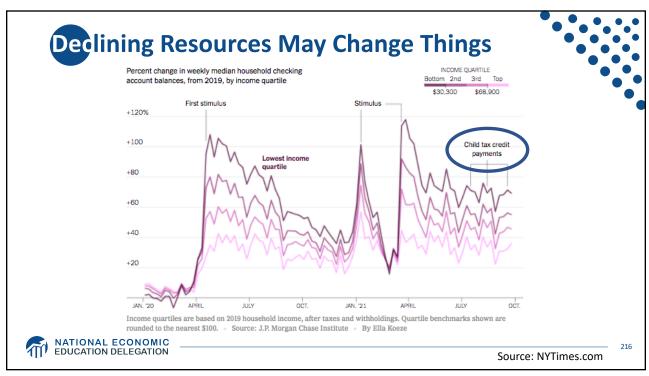


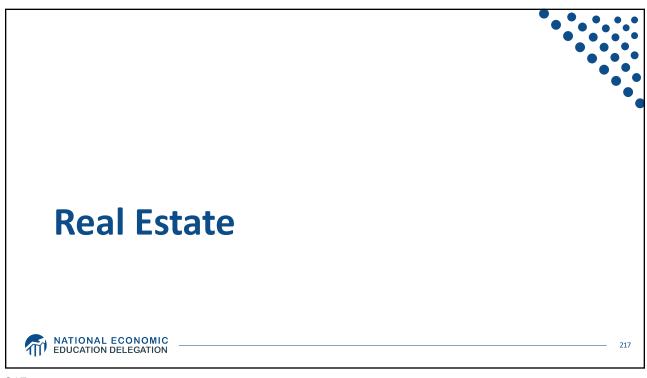




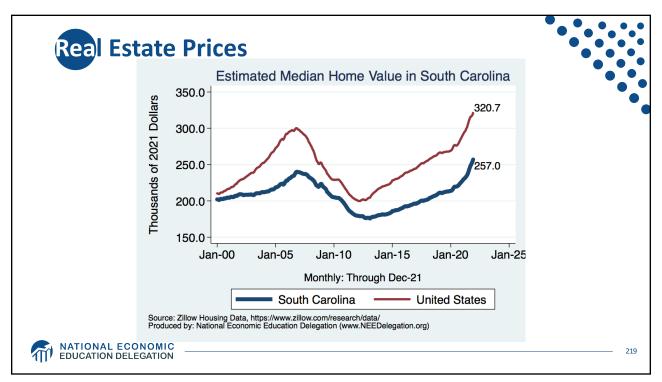


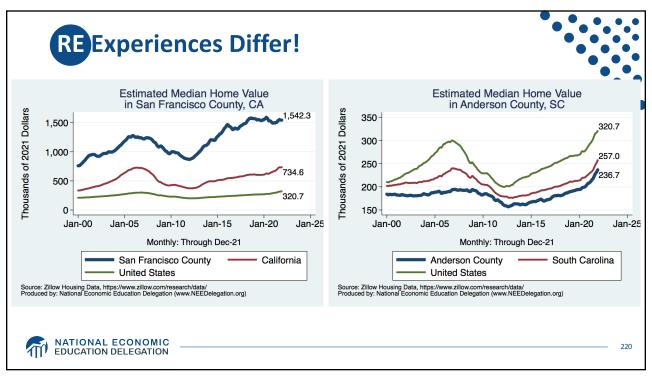












Primary Topics Covered



• GDP

- Recovered the decline, but not where it should be.
- Won't recover previous forecast until late 2022.

Employment

- Still down 8.4 million jobs relative to forecast. (3.5 million relative to Feb/20).
- Labor force is 2.5 million smaller than at the beginning of the pandemic.
- Rising wages are not enticing low-wage workers back to work.

Inflation

- Going to be high for a while, but transitory - maybe?



221

221

Conclusion





2021 was an odd year.

- Workers attained the upper hand.
- Supply chains broke.
- Inflation surged.
- The economy rebuilt itself.

Biggest problems:

- Supply chain bottlenecks.
- Labor force participation.



22





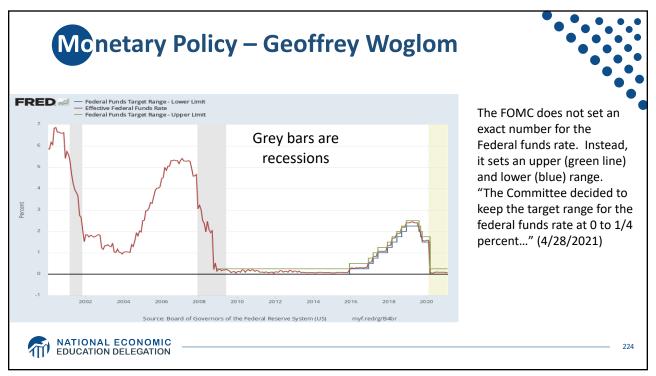
- INFLATION getting it under control.
- REAL WAGES- need to see progress.
- WORKFORCE PARTICIPATION need growth here to get GDP growth.

Pay no attention to the unemployment rate.



223

223





Any Questions?



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225

225

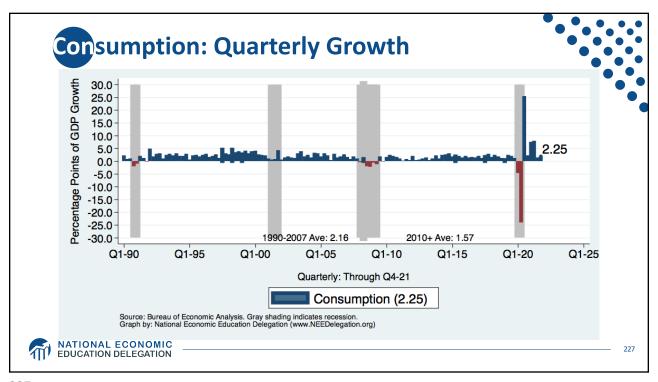
Structural Changes?

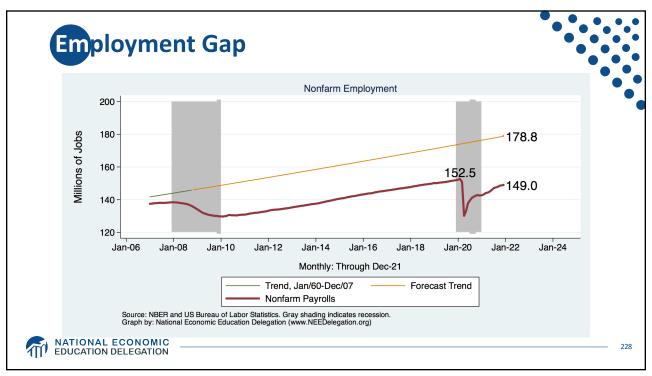
- Pandemic has been an accelerant.
 - Not a change agent.
- Retail
- Telecommuting
- Telehealth
- Business travel?

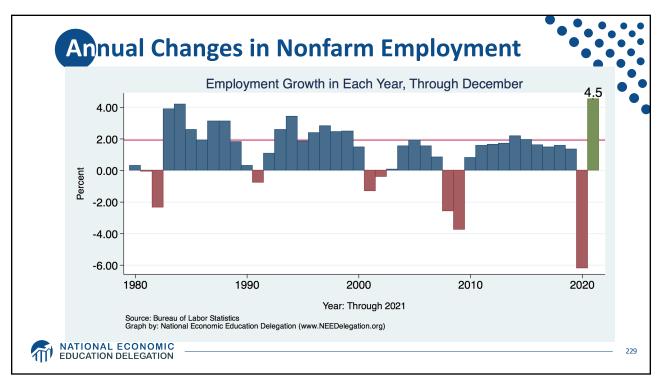
- Wealth concentration
- Industry concentration
- Automation

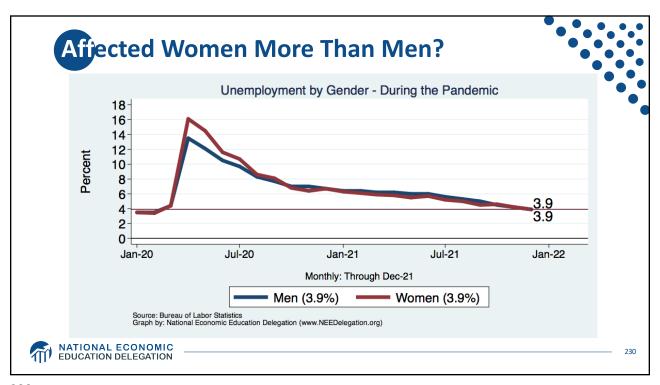


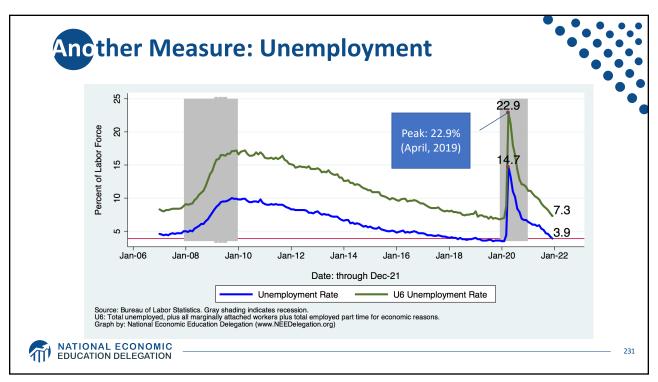
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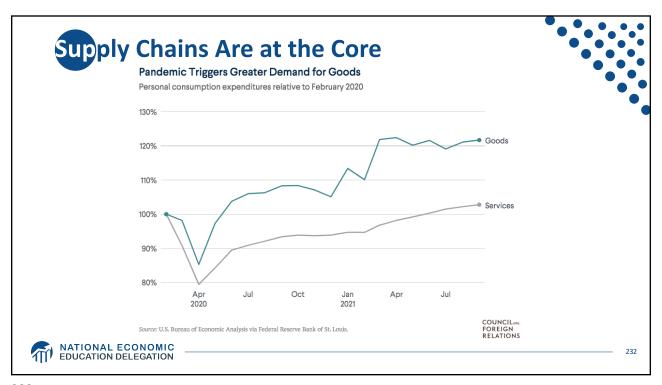


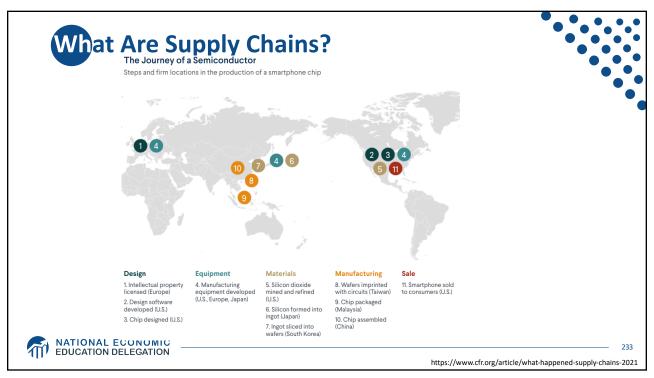


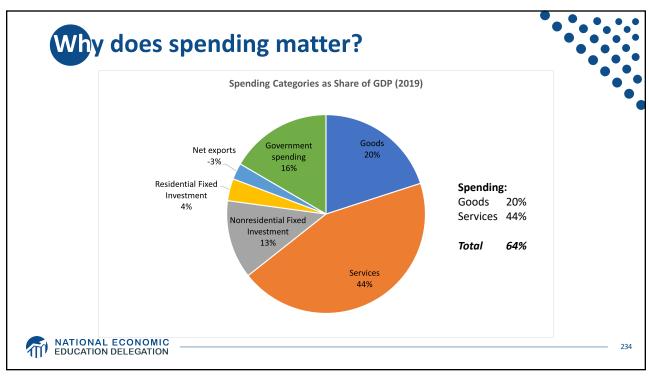


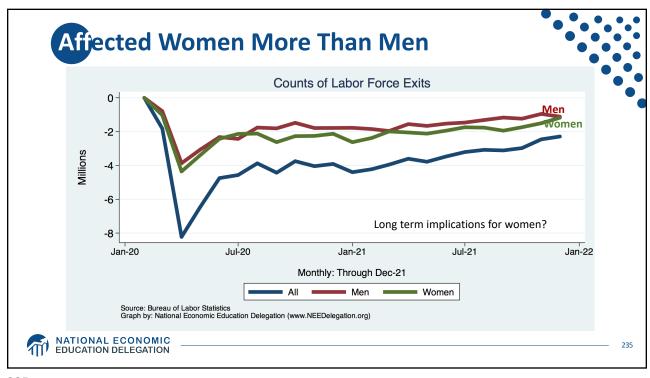












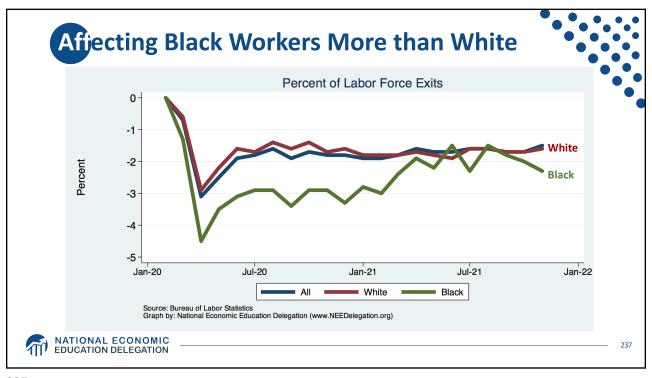
Why Women More Than Men?

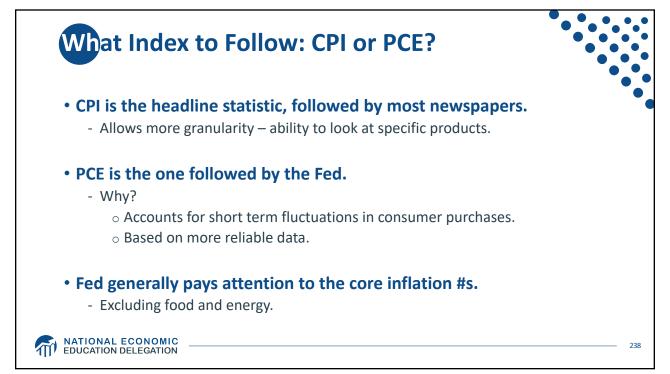


- · Our childcare and school systems don't meet the needs of working mothers.
- COVID-19 has upended the labor market, with disastrous consequences for working women and their families.
 - Many women continued working in high risk jobs.
- The difference in impact is waning.



to-face jobs.





Inflation: Critical Issues



Inequities

- Price changes vary wildly across goods.
- How inflation hits you depends on what you buy and your level of income.
 - o Some evidence that lower income individuals face higher inflation.

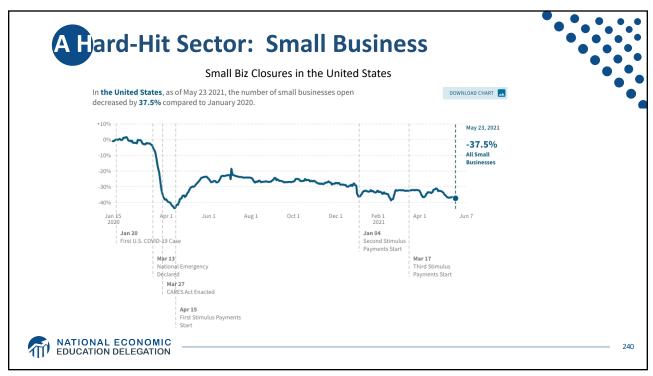
Online inflation is much lower than the CPI

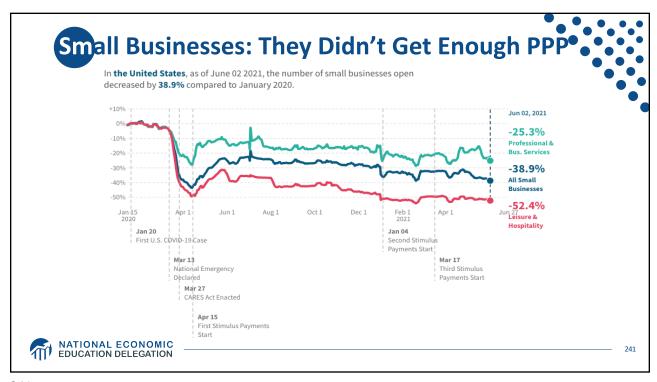
- Estimates suggest about 2% lower.
- Both have implications for the policy response.
 - Safety net? Antitrust action?



239

239





A "K-shaped" recovery?

Executive Summary

- Those with financial wealth/residential real estate have seen its value grow in excess of inflation.
- High income earners (>60k/yr) have largely kept their jobs;
 - middle and low income earners have depressed employment rates
- Women are disproportionately exiting labor force.
- Food insecurity has been very high.



242

Coronavirus and Inequality



- Resources to weather the storm.
- Racial inequities.
- Educational inequities
- Telecommuting
- Low wage jobs are at risk.



243

243

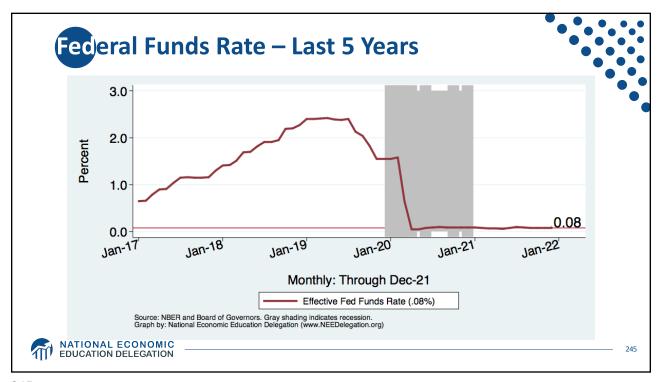
Monetary Policy: Federal Reserve

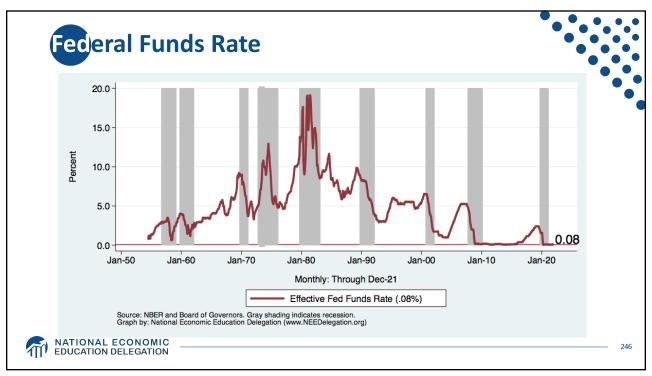


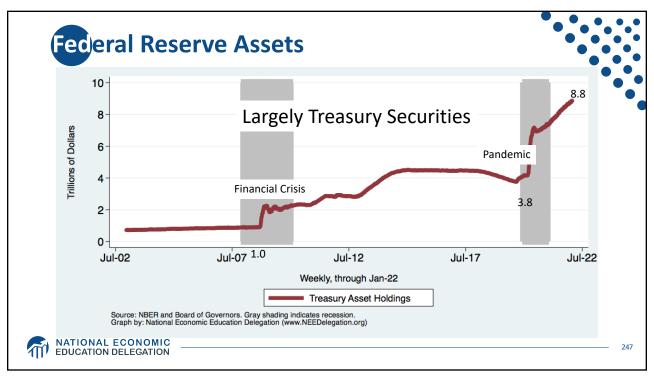
- Primary goal is to keep interest rates low, to facilitate continued borrowing.
 - Federal Funds Rate rate at which banks lend to each other, usually overnight.
 - Purchases of U.S. Treasury securities keep money flowing to the government at low rates of interest.

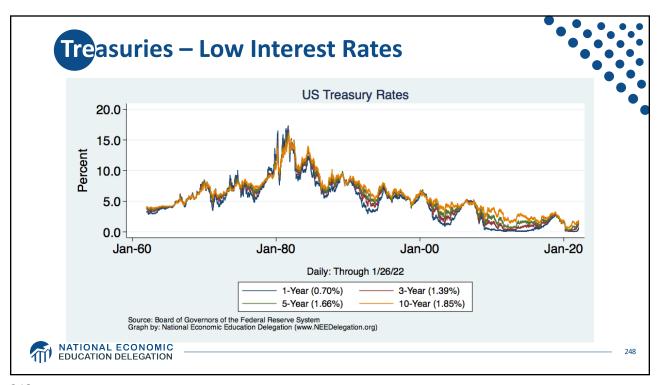


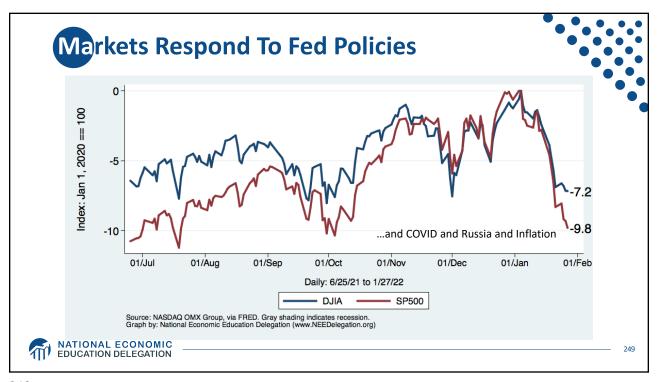
24















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For every state and county in the United States.

Detailed graphs on employment, housing, moves, and other statistics.



251