

Some Unpleasant Stabilization Arithmetic

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- ► Before the Great Recession primary countercyclical tool was monetary policy
 - ► The greater likelihood the effective lower bound (ELB) is reached in the future is a challenge for monetary policy
 - ► Limitations on future monetary policy actions make other countercyclical tools potentially more important
- ► For any countercyclical tool, policymakers must be willing and able to use them

Role of Buffers

- Monetary policy buffers limited
 - ► Low productivity, slow population growth, low inflation rate buffer relative to ELB limited
 - Nontraditional monetary policies remain controversial and could be politically difficult to deploy in the future
- ► Fiscal policy buffers limited
 - ► Debt/GDP likely to rise over next 10 years
 - Many states have less financial capacity after the Great Recession
- Regulatory buffers have been raised



- ► Romer and Romer (2017, 2018) International evidence that a lack of fiscal and monetary policy buffers impedes economic recovery
- ► This paper similar in spirit
 - ► Focus on states similar institutional characteristics
 - ► Can examine state and regulatory responses

Paper Outline

- ► Highlight variation across states
- ► Risks to hitting ELB implications for monetary policy buffer
- ► Role of other buffers state, federal, bank regulatory
- ► Impact of changing buffers
- Simulate potential state impact on personal income of depleted buffers



Figure 1: States with the Largest and Smallest Increases in the Unemployment Rate, 2005 - 2010

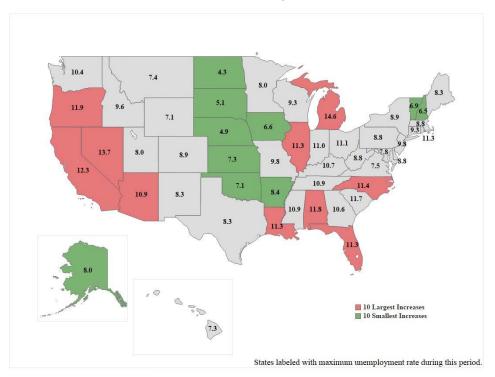


Table 1: Sensitivity of State to National Real Per Capita Personal Income One-Quarter Growth

1983:Q1 - 2015:Q4

-				
	Sensitivity			
	Highest			
WA	1.176			
CA	1.158			
ND	1.150			
NY	1.099			
NC	1.096			
	Median			
	0.951			
Lowest				
LA	0.713			
WV	0.701			
MS	0.697			
AK	0.556			
HI	0.495			

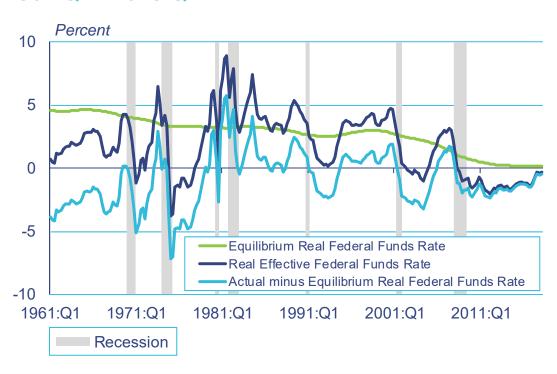
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- ► Characteristics across states vary substantially
 - State impact of limited policy buffers can vary substantially
- ► Example if monetary policy is limited states that are interest sensitive may not recover as quickly
- ► Example exposure to fiscal austerity quite different if dependent on federal expenditures or transfers

Figure 2: The Actual and Equilibrium Real Federal Funds Rates

1961:Q1 - 2018:Q1



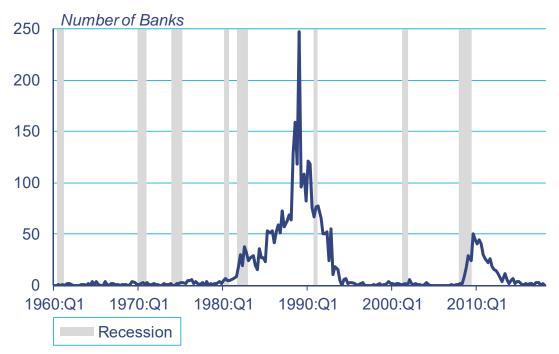
ELB is Quite Likely to be Binding in the Future

- Equilibrium real rate has declined and inflation rate is only 2 percent
- Monetary policy cushion is much smaller than during most of postwar period
- ▶ If downturn were to occur soon little ability to lower the 5-6 percentage points that occurs in many recessions



Figure 3: Bank Failures in the U.S.

1960:Q1 - 2018:Q1

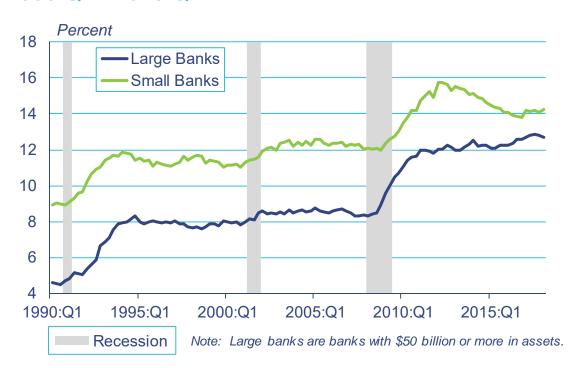


Note: Includes both failures and assistance transactions. Banks include commercial banks, savings banks, and savings and loan associations (beginning in 1980).

Source: FDIC, NBER, Haver Analytics

Figure 4: Tier 1 Risk-Based Capital Ratios at Banks by Asset Size

1990:Q4 - 2018:Q1



Note: Includes OTS-regulated savings institutions as soon as they file the call report. Some began in 2011, all filed by 2012:Q1 Source: Quarterly Bank Call Reports, NBER, Haver Analytics.



- Improvement in capital ratios is greatest for large banks
 - Concern is with banks shrinking if capital is constrained
 - Countercyclical capital buffer could help reduce this risk
- Small banks have seen less improvement in capital
- Small banks appear to be taking more risks in some areas – commercial real estate
- Significant roll back in regulations would increase this risk



- ► Focus on two episodes of fiscal restraint associated with persistent declines in the cyclically adjusted deficit as a percent of potential GDP
 - ▶ 1990-2000: Reflecting the Budget Enforcement Act of 1990; spending caps for discretionary spending items and pay-as-you-go requirements
 - ▶ 2009-2014: Heightened interest in controlling spending to prevent further increases in the budget deficit
- ► These two periods reflect political constraints (willingness), not financial constraints (ability), given the dollar's dominant role in foreign currency reserves, foreign trade invoicing, and currency denomination for cross-border lending

Figure 5: Federal Surplus/Deficit as a Percent of Potential GDP

Federal Fiscal Year, 1980 - 2027

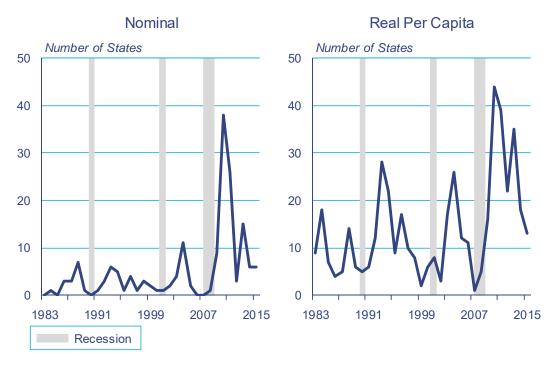




- Must remove federal intergovernmental transfers that pass through state and local budgets in order to isolate state and local fiscal policies
- ► Both the need for stabilization policy and the ability of a state to provide countercyclical policy vary across states
 - ► Balanced budget amendments
 - State pension funding ratios (assets/liabilities)
 - Rainy day funds
 - Correlation between a state's revenues and expenditures

Figure 6: State and Local Expenditure Decreases

State Fiscal Year, 1983 - 2015



Note: Missing Data for AL, MI and TX in Fiscal Year 2015.

Source: Census Bureau's Annual Survey of State and Local Government Finances, DOL, Haver Analytics

Real Per Capita State Personal Income and the Role of Policy Buffers

- Panel regression using individual state annual data
- ► Real per capita personal income growth rate
- Change in state's unemployment rate
- ► CAMELS_345: deposit-weighted share of 3-, 4- or 5-rated banks operating in a state
 - ► CAMELS ratings: supervisory ratings from 1 to 5, with 1 strongest health and 5 weakest health



- Change in FFRgap using Laubach-Williams real equilibrium rate
 - ► Also interact FFRgap measure with HIGH and LOW interest sensitivity dummy variables based on auxiliary regressions using national employment data for 14 industries
 - ► Interest sensitive industries: mining; construction; manufacturing; retail and wholesale trade
 - ► HIGH and LOW indicators are (1,0) dummy variables based on a state's average share of employment in these interest sensitive industries (15 states each)

Fiscal Policy Buffer Indicators

- ► Federal austerity measure: (1,0) dummy variable for 1990-2000 and 2009-2014
- ► State and local austerity measure: state-specific (1,0) variable with value of one for periods when nominal state and local expenditures decline until again attain prior peak value
- Equations based on federal fiscal year data and include state fixed effects

Table 2: Real Per Capita State Personal Income Growth Rate

Federal Fiscal Year, 1983 - 2015

L1 Change in State UR (%)		Unweighted	Weighted	Unweighted	Weighted
L1 CAMELS: State 3-4-5 Share (%)	L1 Change in State UR (%)	-0.644***	-0.735***	-0.661***	-0.750***
L1 Change in Real Eff Equil. FFR		(0.059)	(0.012)	(0.059)	(0.012)
L1 Change in Real Eff Equil. FFR L2 Change in Real Eff Equil. FFR L2 Change in Real Eff Equil. FFR L2 Change in Real Eff Equil. FFR L3 Change in Real Eff Equil. FFR L4 Change in Real Eff Equil. FFR L5 Change in Real Eff Equil. FFR L6 Change in Real Eff Equil. FFR L7 Change in Real Eff Equil. FFR L8 Change in Real Eff Equil. FFR: Sum L8 Change in Real Eff Equil. FFR: P-Value L9 Change in Real Eff Equil.	L1 CAMELS: State 3-4-5 Share (%)	-0.014***	-0.011***	-0.016***	-0.013***
L2 Change in Real Eff Equil. FFR L2 Change in Real Eff Equil. FFR L3 Change in Real Eff Equil. FFR L1 High Interest Rate Ind. Emp. Share Dummy*Ch. Real EffEquil. FFR L2 High Interest Rate Ind. Emp. Share Dummy*Ch. Real EffEquil. FFR L3 High Interest Rate Ind. Emp. Share Dummy*Ch. Real EffEquil. FFR L4 High Interest Rate Ind. Emp. Share Dummy*Ch. Real EffEquil. FFR L5 High Interest Rate Ind. Emp. Share Dummy*Ch. Real EffEquil. FFR L6 Low Interest Rate Ind. Emp. Share Dummy*Ch. Real EffEquil. FFR L6 Low Interest Rate Ind. Emp. Share Dummy*Ch. Real EffEquil. FFR L6 Low Interest Rate Ind. Emp. Share Dummy*Ch. Real EffEquil. FFR L6 Low Interest Rate Ind. Emp. Share Dummy*Ch. Real EffEquil. FFR L7 Low Interest Rate Ind. Emp. Share Dummy*Ch. Real EffEquil. FFR L8 Low Interest Rate Ind. Emp. Share Dummy*Ch. Real EffEquil. FFR L8 Low Interest Rate Ind. Emp. Share Dummy*Ch. Real EffEquil. FFR L8 Low Interest Rate Ind. Emp. Share Dummy*Ch. Real EffEquil. FFR L8 Low Interest Rate Ind. Emp. Share Dummy*Ch. Real EffEquil. FFR L9 Low Interest Rate Ind. Emp. Share Dummy*Ch. Real EffEquil. FFR L9 Low Interest Rate Ind. Emp. Share Dummy*Ch. Real EffEquil. FFR: Sum L9 Low Interest Rate Ind. Emp. Share Dummy*Ch. Real EffEquil. FFR: Sum L9 Low Interest Rate Ind. Emp. Share Dum*Ch. Real EffEquil. FFR: Sum L9 Low Interest Rate Ind. Emp. Share Dum*Ch. Real EffEquil. FFR: Sum L9 Low Interest Rate Ind. Emp. Share Dum*Ch. Real EffEquil. FFR: Sum L9 Low Int. Rate Ind. Emp. Share Dum*Ch. Real EffEquil. FFR: Sum L9 Low Int. Rate Ind. Emp. Share Dum*Ch. Real EffEquil. FFR: Sum L9 Low Int. Rate Ind. Emp. Share Dum*Ch. Real EffEquil. FFR: Sum L9 Low Int. Rate Ind. Emp. Share Dum*Ch. Real EffEquil. FFR: Sum L9 Low Int. Rate Ind. Emp. Share Dum*Ch. Real EffEquil. FFR: Sum L9 Low Int. Rate Ind. Emp. Share Dum*Ch. Real EffEquil. FFR: Sum L9 Low Int. Rate Ind. Emp. Share Dum*Ch. Real EffEquil. FFR: Sum L9 Low Int. Rate Ind. Emp. Share Dum*Ch. Real EffEqui		(0.003)	(0.001)	(0.003)	(0.001)
L2 Change in Real Eff Equil. FFR -0.249***	L1 Change in Real Eff Equil. FFR	0.171***	0.075***	0.154**	0.057***
L1 High Interest Rate Ind. Emp. Share Dummy*Ch. Real EffEquil. FFR (0.093) (0.021) (0.093) (0.021) (0.093) (0.021) L2 High Interest Rate Ind. Emp. Share Dummy*Ch. Real EffEquil. FFR (0.093) (0.021) (0.093) (0.021) L2 High Interest Rate Ind. Emp. Share Dummy*Ch. Real EffEquil. FFR (0.083) (0.019) (0.083) (0.019) L1 Low Interest Rate Ind. Emp. Share Dummy*Ch. Real EffEquil. FFR (0.092) (0.018) (0.093) (0.019) L2 Low Interest Rate Ind. Emp. Share Dummy*Ch. Real EffEquil. FFR (0.092) (0.018) (0.093) (0.018) L2 Low Interest Rate Ind. Emp. Share Dummy*Ch. Real EffEquil. FFR (0.092) (0.018) (0.093) (0.018) Ederal Austerity Dummy (1990-2000, 2009-2014) (0.083) (0.014) (0.083) (0.016) (0.083) (0.016) Federal Austerity Dummy (1990-2000, 2009-2014) (0.084) (0.094) (0.014) (0.022) Nominal Broad Federal Expenditure Decrease Dummy (0.096) (0.014) (0.022) (0.018) (0.017) (0.031) Nominal State & Local Expenditure Decrease Dummy (0.084) (0.014) (0.084) (0.015) (0.037) (0.031) Constant (0.080) (0.017) (0.068) (0.015) (0.039) (0.080) (0.017) (0.068) (0.015) (0.080) (0.017) (0.068) (0.015) (0.080) (0.015) (0.080) (0.015) (0.080) (0.015) (0.080) (0.015) (0.080) (0.015) (0.080) (0.015) (0.080) (0.015) (0.080) (0.015) (0.080) (0.015) (0.080) (0.015) (0.080) ((0.066)	(0.015)	(0.066)	(0.014)
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Count Coun		(0.055)	(0.012)	(0.055)	(0.012)
L2 High Interest Rate Ind. Emp. Share Dummy*Ch. Real EffEquil. FFR (0.083) (0.019) (0.083) (0.019) (0.083) (0.019) (0.083) (0.019) (0.083) (0.019) (0.083) (0.019) (0.083) (0.019) (0.083) (0.019) (0.083) (0.019) (0.083) (0.019) (0.083) (0.019) (0.083) (0.018) (0.093) (0.018) (0.093) (0.018) (0.093) (0.018) (0.093) (0.018) (0.093) (0.018) (0.093) (0.018) (0.093) (0.016) (0.083) (0.016) (0.016) (0.083) (0.016) (L1 High Interest Rate Ind. Emp. Share Dummy*Ch. Real EffEquil. FFR	-0.369***	-0.353***	-0.369***	-0.350***
Countries Coun		(0.093)	(0.021)	(0.093)	(0.021)
L1 Low Interest Rate Ind. Emp. Share Dummy*Ch. Real EffEquil. FFR (0.092) (0.018) (0.093) (0.018) (0.018) (0.093) (0.018) (0.018) (0.093) (0.018) (0.018) (0.093) (0.018) (0.093) (0.018) (0.093) (0.018) (0.093) (0.016) (0.083) (0.016) (0.083) (0.016) (0.083) (0.016) (0.083) (0.016) (0.083) (0.016) (0.083) (0.016) (0.083) (0.016) (0.083) (0.016) (0.083) (0.016) (0.083) (0.016) (0.083) (0.016) (0.083) (0.016) (0.083) (0.016) (0.083) (0.016) (0.083) (0.016) (0.083) (0.016) (0.083) (0.016) (0.083) (0.016) (0.017) (0.031) (0	L2 High Interest Rate Ind. Emp. Share Dummy*Ch. Real EffEquil. FFR	-0.033	-0.079***	-0.030	-0.077***
L2 Low Interest Rate Ind. Emp. Share Dummy*Ch. Real EffEquil. FFR 0.041		(0.083)	(0.019)	(0.083)	(0.019)
L2 Low Interest Rate Ind. Emp. Share Dummy*Ch. Real EffEquil. FFR (0.041)	L1 Low Interest Rate Ind. Emp. Share Dummy*Ch. Real EffEquil. FFR	-0.137	-0.137***	-0.138	-0.142***
Common C		(0.092)	(0.018)	(0.093)	(0.018)
Federal Austerity Dummy (1990-2000, 2009-2014)	L2 Low Interest Rate Ind. Emp. Share Dummy*Ch. Real EffEquil. FFR	0.041	-0.148***	0.043	-0.150***
Nominal Broad Federal Expenditure Decrease Dummy 0.004 0.002 0.005 0.186*** 0.0137 0.031 0.031 0.038		(0.083)	(0.016)	(0.083)	(0.016)
Nominal Broad Federal Expenditure Decrease Dummy	Federal Austerity Dummy (1990-2000, 2009-2014)	-0.361***	-0.324***		
Nominal State & Local Expenditure Decrease Dummy		(0.104)	(0.022)		
Nominal State & Local Expenditure Decrease Dummy	Nominal Broad Federal Expenditure Decrease Dummy			0.005	0.186***
Constant (0.163) (0.038) (0.165) (0.039) Constant 2.307*** 2.244*** 2.151*** 2.093*** (0.080) (0.017) (0.068) (0.015) Total Obs. 1647 1647 1647 1647 Adj. R-squared 0.146 0.216 0.140 0.212 Change in Real Eff Equil. FFR: Sum -0.078 -0.132 -0.101 -0.154 Change in Real Eff Equil. FFR: P-Value 0.363 0.000 0.239 0.000 High Int. Rate Ind. Emp. Share Dum*Ch. Real EffEquil. FFR: Sum -0.402 -0.432 -0.399 -0.427 High Int. Rate Ind. Emp. Share Dum*Ch. Real EffEquil. FFR: P-Value 0.001 0.000 0.001 0.000 Low Int. Rate Ind. Emp. Share Dum*Ch. Real EffEquil. FFR: Sum -0.096 -0.285 -0.095 -0.292				(0.137)	(0.031)
Constant 2.307*** 2.244*** 2.151*** 2.093*** (0.080) (0.017) (0.068) (0.015) Total Obs. 1647 1647 1647 1647 Adj. R-squared 0.146 0.216 0.140 0.212 Change in Real Eff Equil. FFR: Sum -0.078 -0.132 -0.101 -0.154 Change in Real Eff Equil. FFR: P-Value 0.363 0.000 0.239 0.000 High Int. Rate Ind. Emp. Share Dum*Ch. Real EffEquil. FFR: Sum -0.402 -0.432 -0.399 -0.427 High Int. Rate Ind. Emp. Share Dum*Ch. Real EffEquil. FFR: P-Value 0.001 0.000 0.001 0.000 Low Int. Rate Ind. Emp. Share Dum*Ch. Real EffEquil. FFR: Sum -0.096 -0.285 -0.095 -0.292	Nominal State & Local Expenditure Decrease Dummy	-0.282*	-0.444***	-0.365**	-0.593***
Total Obs. (0.080) (0.017) (0.068) (0.015) Total Obs. 1647 1647 1647 1647 Adj. R-squared 0.146 0.216 0.140 0.212 Change in Real Eff Equil. FFR: Sum -0.078 -0.132 -0.101 -0.154 Change in Real Eff Equil. FFR: P-Value 0.363 0.000 0.239 0.000 High Int. Rate Ind. Emp. Share Dum*Ch. Real EffEquil. FFR: Sum -0.422 -0.432 -0.399 -0.427 High Int. Rate Ind. Emp. Share Dum*Ch. Real EffEquil. FFR: P-Value 0.001 0.000 0.001 0.000 Low Int. Rate Ind. Emp. Share Dum*Ch. Real EffEquil. FFR: Sum -0.096 -0.285 -0.095 -0.292		(0.163)	(0.038)	(0.165)	(0.039)
Total Obs. 1647 1647 1647 1647 Adj. R-squared 0.146 0.216 0.140 0.212 Change in Real Eff Equil. FFR: Sum -0.078 -0.132 -0.101 -0.154 Change in Real Eff Equil. FFR: P-Value 0.363 0.000 0.239 0.000 High Int. Rate Ind. Emp. Share Dum*Ch. Real EffEquil. FFR: Sum -0.402 -0.432 -0.399 -0.427 High Int. Rate Ind. Emp. Share Dum*Ch. Real EffEquil. FFR: P-Value 0.001 0.000 0.001 0.000 Low Int. Rate Ind. Emp. Share Dum*Ch. Real EffEquil. FFR: Sum -0.096 -0.285 -0.095 -0.292	Constant	2.307***	2.244***	2.151***	2.093***
Adj. R-squared 0.146 0.216 0.140 0.212 Change in Real Eff Equil. FFR: Sum -0.078 -0.132 -0.101 -0.154 Change in Real Eff Equil. FFR: P-Value 0.363 0.000 0.239 0.000 High Int. Rate Ind. Emp. Share Dum*Ch. Real EffEquil. FFR: Sum -0.402 -0.432 -0.399 -0.427 High Int. Rate Ind. Emp. Share Dum*Ch. Real EffEquil. FFR: P-Value 0.001 0.000 0.001 0.000 Low Int. Rate Ind. Emp. Share Dum*Ch. Real EffEquil. FFR: Sum -0.096 -0.285 -0.095 -0.292		(0.080)	(0.017)	(0.068)	(0.015)
Change in Real Eff Equil. FFR: Sum -0.078 -0.132 -0.101 -0.154 Change in Real Eff Equil. FFR: P-Value 0.363 0.000 0.239 0.000 High Int. Rate Ind. Emp. Share Dum*Ch. Real EffEquil. FFR: Sum -0.402 -0.432 -0.399 -0.427 High Int. Rate Ind. Emp. Share Dum*Ch. Real EffEquil. FFR: P-Value 0.001 0.000 0.001 0.000 Low Int. Rate Ind. Emp. Share Dum*Ch. Real EffEquil. FFR: Sum -0.096 -0.285 -0.095 -0.292	Total Obs.	1647	1647	1647	1647
Change in Real Eff Equil. FFR: P-Value 0.363 0.000 0.239 0.000 High Int. Rate Ind. Emp. Share Dum*Ch. Real EffEquil. FFR: Sum -0.402 -0.432 -0.399 -0.427 High Int. Rate Ind. Emp. Share Dum*Ch. Real EffEquil. FFR: P-Value 0.001 0.000 0.001 0.000 Low Int. Rate Ind. Emp. Share Dum*Ch. Real EffEquil. FFR: Sum -0.096 -0.285 -0.095 -0.292		0.146	0.216	0.140	0.212
High Int. Rate Ind. Emp. Share Dum*Ch. Real EffEquil. FFR: Sum -0.402 -0.432 -0.399 -0.427 High Int. Rate Ind. Emp. Share Dum*Ch. Real EffEquil. FFR: P-Value 0.001 0.000 0.001 0.000 Low Int. Rate Ind. Emp. Share Dum*Ch. Real EffEquil. FFR: Sum -0.096 -0.285 -0.095 -0.292	Change in Real Eff Equil. FFR: Sum	-0.078	-0.132	-0.101	-0.154
High Int. Rate Ind. Emp. Share Dum*Ch. Real EffEquil. FFR: P-Value 0.001 0.000 0.001 0.000 Low Int. Rate Ind. Emp. Share Dum*Ch. Real EffEquil. FFR: Sum -0.096 -0.285 -0.095 -0.292		0.363	0.000	0.239	0.000
Low Int. Rate Ind. Emp. Share Dum*Ch. Real EffEquil. FFR: Sum -0.096 -0.285 -0.095 -0.292	High Int. Rate Ind. Emp. Share Dum*Ch. Real EffEquil. FFR: Sum	-0.402	-0.432	-0.399	-0.427
	High Int. Rate Ind. Emp. Share Dum*Ch. Real EffEquil. FFR: P-Value	0.001	0.000	0.001	0.000
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Low Int. Nate Ind. Emp. Shale Dum Ch. Real EffEquit. FFR: P-value 0.437 0.000 0.445 0.000	Low Int. Rate Ind. Emp. Share Dum*Ch. Real EffEquil. FFR: P-Value	0.437	0.000	0.445	0.000

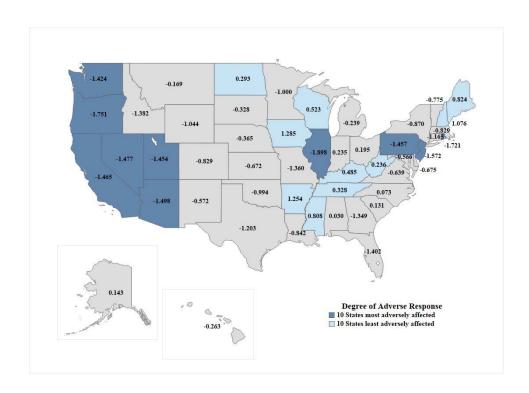
Source: Authors' calculations using Federal Reserve System, Federal Reserve Board, Laubach and Williams, Census Bureau's Annual Survey of State and Local Government Finances, Census Bureau's Federal Expenditures by State Report and Consolidated Federal Funds Report, The Council of State Governments' Federal Spending in the States Report, CBO, DOL, BEA, BLS, Haver Analytics.

Simulated Effects of a Moderate Recession with and without Policy Responses

- ▶ Based on column 1 estimates
- ▶ 3% increase in national UR; use estimated state "betas" to calculate increases in state URs
- ► FFR decline: 600 bp; equil. FFR decline: 100 bp
 - ► FFRgap declines by 500 bp
 - ► HIGH and LOW interactions produce state-specific responses to countercyclical monetary policy
- Note that typical policy responses are able to more than offset adverse shock in 16 states



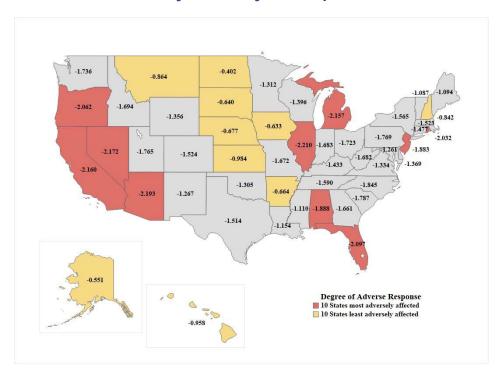
Figure 7: Estimated Recession Effects



Simulation with Monetary Policy Limited due to Hitting ELB

- ► Assume FFR at 2 percent
- ► Falls only to zero
- With monetary policy countercyclical response limited
 - All states now experience decline in real per capita personal income
 - ► Particularly large switch for many Southern states
 - Smallest declines primarily in agricultural states in Midwest

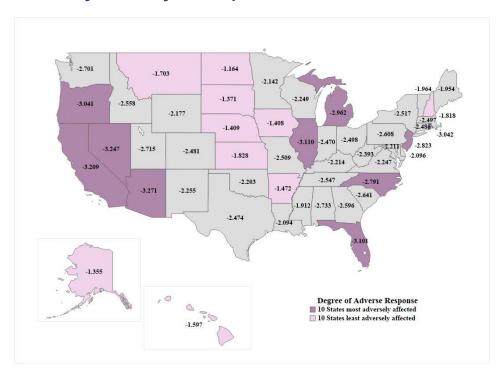
Figure 8: Typical Recession Effects with Limited Monetary Policy Response



Simulation with All Policy Buffers Depleted at the Same Time

- Federal funds rate hits ELB
- ► National CAMELS_345 increases by 20 percentage points; use estimated "betas" to obtain state-specific changes
- Activate the federal and the state and local fiscal austerity dummy variables
- Unsurprisingly, outcomes for all states worsen; but not to the same degree

Figure 9: Typical Recession Effects with Limited Monetary Policy Response and All Other Buffers Depleted

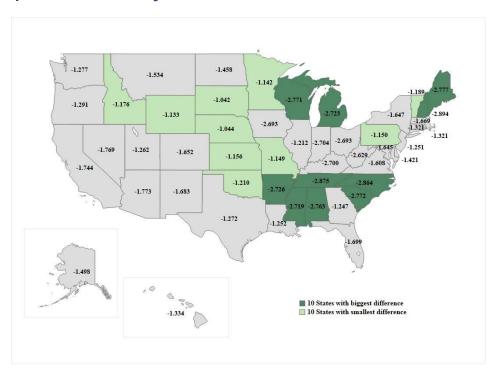






- ► Consider differences in outcomes between situation with the usual policy responses and with all policy buffers being depleted
- Differences are large and vary substantially across states
 - Southern states now among those most severely impacted by policy buffer depletion
 - Midwestern agricultural states account for most of the states with the smallest negative deviation

Figure 10: Difference in Outcomes between No Depleted Policy Buffers and All Buffers Limited





- Not only are states differentially affected by recessions, they are also differentially affected by the extent to which policy buffers are insufficient to provide adequate countercyclical policy responses
- Differences can be quite large
- ► Still, effects are understated because they ignore feedback effects on UR from weak policy response
 - ► Feedback will magnify both size of decline in personal income growth rates and extent of divergence in economic performance across states

Concluding Comments

- ► In current environment, more likely that FFR will hit ELB, short-circuiting countercyclical MP
- Effects will not fall evenly on states
- ► Limitations on what has been the first, and often the last, resort for countercyclical policy heightens importance of establishing adequate buffers for nonmonetary policy tools
- Concerns about rising federal debt, limited state and local fiscal policy buffers, and any weakening of bank capital regulations