OUTLINE — November 8, 2017

- Interest rates & Net Exports, recap
- Fiscal Policy
 - Effect on GDP in the short run
 - Deficits and Debt
 - Concerns regarding deficit spending

PS4 due Mon/Tues Nov. 20/21
MT2 reflection due on bcourses by 7 pm tonight

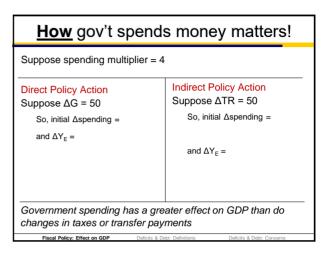
Further reading? Check http://www.cbpp.org/ (Center on Budget and Policy Priorities)

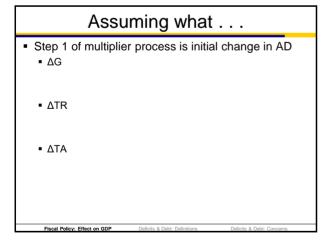
Productivity & supply of inputs ("supply side") Determine location of PPF Aggregate demand ("demand side") Determines whether economy is on its PPF YE = YFE? Economy is on its PPF YE < YFE? Economy is inside its PPF

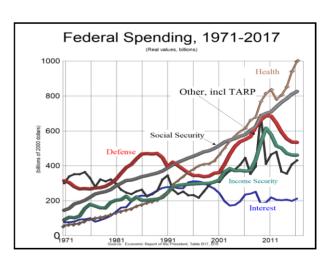
Fiscal Policy	Monetary Policy	Credit Policy
G, TR, and TA	Federal Reserve (Fed) Interest rates & money supply	Combination of Fed & Congress Policies & laws relating to mortgage and consumer credit: Availability, marketing, consequences of default
Fiscal Policy: Effect on GDP	Deficits & Debt: Definitions	Deficits & Debt: Concerns

Government Spending Fiscal Policy Tools G: Government spending TR: Transfer payments TA: Taxes Direct Fiscal Policy: ΔG Indirect Fiscal Policy: ΔTR, ΔTA

Multiplier Effects ■ Multiplier ■ So, total Δ Y = Fiscal Policy: Effect on GDP Deficits & Debt: Definitions Deficits & Debt: Concurrs

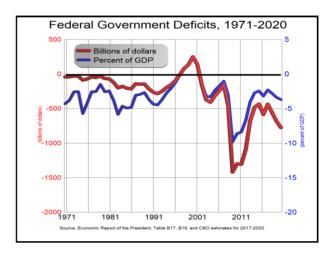


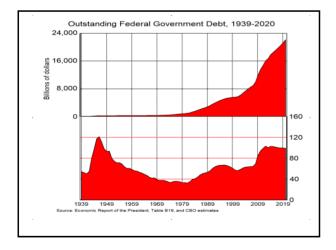


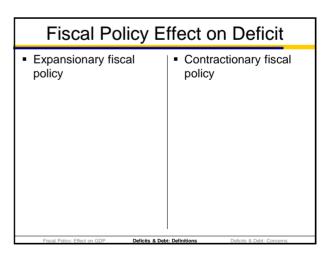


Deficits and Debt Budget Deficit or Budget Surplus If, in one year, G + TR > TA: budget deficit If, in one year, TA > G + TR: budget surplus • G + TR = Government outlays • TA = Government receipts Government debt Cumulative total, since 1790, of annual budget deficits minus annual budget surpluses Government borrows by issuing IOUs: government bonds

Deficits & Debt: Definitions







Fiscal policy & Output gap

- If we are trying to close an output gap, fiscal policy should be expansionary
 - That is, increase budget deficit this year relative to last year
- If there is no output gap, expansionary fiscal policy may be too expansionary
 - Does fiscal policy affect PPF? Or just affect AD?
 - Pushing economy beyond PPF can trigger inflation
- So today, when debate is "shall we cut taxes & increase budget deficit by \$1.5 trillion?" we really need to know [1] size of output gap, [2] effect on PPF

Fiscal Policy: Effect on GDP Deficits & Debt: Definitions Deficits & Debt: Concerns



Real World Complications

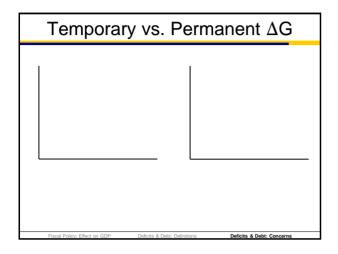
- Concerns (this is summary; detail on upcoming slides)
 - Temporary vs. permanent fiscal stimulus
 - Federal vs. state & local policy
 - How does government pay its bills when run a deficit?
 Hint: By borrowing
 - Impact on interest rates
 - · "Crowding out" of investment?

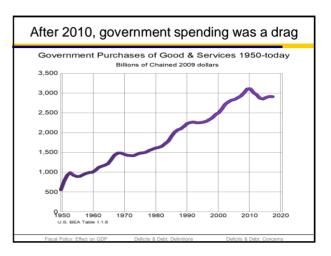
Temporary Stimulus

- "Priming the pump"
 - A process of getting water flowing in a pump, and then the water just keeps on flowing (even after the "priming" stops)
- Does Government spending "prime the pump?"
 - What process keeps aggregate demand high after temporary increase in G ends?

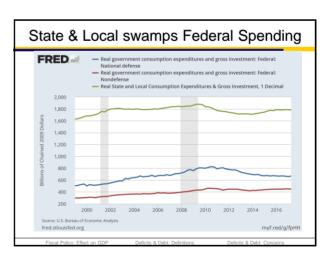
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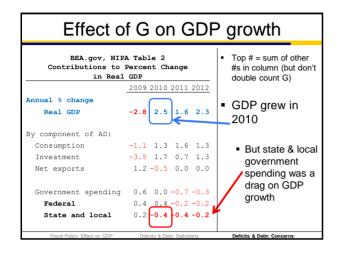
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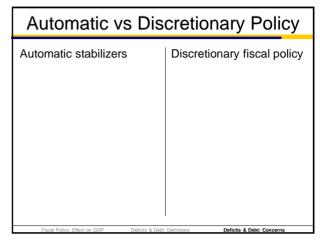


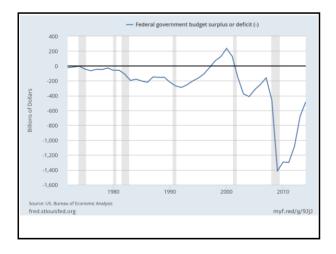


Federal vs. State & Local Policy Federal government can run a budget deficit State & Local governments can not Recession? Income (Y) down, TA down, TR up Federal: deficit automatically increases State & Local: Deficit increases, but can't have deficit. So must cut G+TR or increase TA to eliminate deficit State & local governments worsen recessions (not because they want to. . .)









Structural vs Cyclical Deficit

- A counterfactual question: How big would the deficit be if the economy were at full employment (eg, 4%)?
- How much larger is the deficit because unemployment is above full employment rate of 4 percent?
- It is problematic (many say) when the structural deficit > 0

iscal Policy: Effect on GDP Deficits & Debt: Definitions Deficits & Debt: Concerns

