Why central banks should care about fiscal rules

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This essay aims to explain the nature of monetary and fiscal policy interactions and how those interactions could inform the fiscal rules that countries choose to follow. It makes two points: (1) monetary policy control of inflation requires appropriate fiscal backing; (2) European fiscal frameworks appear unlikely to provide the necessary fiscal backing.

1 Introduction

Fiscal crises spawn fiscal rules. On the heels of what may be the worst financial and fiscal crisis in Swedish history in the early 1990s, Sweden adopted sweeping fiscal reforms beginning in 1993. Although details about Swedish fiscal policy have evolved over time, the guiding principles have been enshrined in the “Swedish Fiscal Policy Framework” (Swedish Government, 2011). Sweden has followed a net lending target, which currently is 1/3 percent of GDP, and plans to aim for a “debt anchor” of 35 percent of GDP starting in 2019. After the Euro Area’s sovereign debt crisis that began in 2009, member nations are now required to adopt medium-term budgetary frameworks (European Commission, Undated). Germany, whose fiscal position was sound despite a large crisis-induced run-up of government debt, adopted a debt brake in 2011 that sets the maximum structural new borrowing limit at 0.35 percent of GDP (Federal Ministry of Finance, 2015).

Each of these approaches to fiscal rules focuses on ensuring that fiscal policy is “sustainable.” Unfortunately, the fiscal rules that countries are adopting seem to take “sustainability” to mean single-minded fiscal austerity. The rules appear to reflect the principle that low debt is good debt, with little consideration given to how fiscal policy needs to behave for monetary policy to successfully target inflation and the roles that safe government debt plays in the financial system.

This essay aims to explain the nature of monetary and fiscal policy interactions and how those interactions could inform the fiscal rules that countries choose to follow. It makes two points:

1. Monetary policy control of inflation requires appropriate fiscal backing
2. European fiscal frameworks appear unlikely to provide the necessary fiscal backing.

Before getting into these points, we take a step back to ask what determines the aggregate price level, and therefore inflation, in the economy. That discussion argues that a unique price level requires fiscal behavior of a certain sort. The essay then explains how monetary and fiscal policy must interact in any equilibrium. This establishes point 1. The essay then briefly discusses fiscal rules to ask if they provide the fiscal backing necessary for monetary policy to control inflation, point 2. Two appendices provide the formal background for the verbal arguments in the text.

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1 Evidently, the anchor is a target and the government must explain any deviations from target that exceed five percent in either direction.
2 “Sustainable” is a generally ill-defined concept that is often invoked as a rationale for fiscal rules.
2 Determining the price level

The aggregate price level is a relative price: it measures how much a basket of goods is worth in terms of nominal government liabilities – money plus bonds. This relative price must be determined by the interaction of supply and demand for these government liabilities.

To the private sector – the ultimate holders of government-issued paper money – demand for money and bonds depends, as it does for any asset, on expected discounted cash flows. In the case of government paper money, those cash flows are primary government surpluses – tax receipts in excess of expenditures, exclusive of the interest the government pays to holders of high-powered money and bonds.3 To the extent the liabilities also provide service flows – liquidity, collateral, and so forth – those flows also affect the liabilities’ value.

This asset-pricing logic creates a direct link between the nominal objects being priced (nominal liabilities) and the “goods” (surpluses) that give them value. Critical to understanding how the price is determined is the fact that the government – the central bank and fiscal authority jointly – controls both the nominal quantity of liabilities outstanding and the real quantity of goods that back the liabilities. By varying either the nominal supply or the real backing, the government can achieve any relative price it desires.

Appreciating that the price level is the price of goods in terms of nominal liabilities radically alters how to think about inflation. This is the essence of the fiscal theory perspective on price-level determination.4 It may be helpful to contrast this perspective with more conventional views.

Monetarists emphasize that the equilibrium price level emerges from the interplay between the supply and demand for money. Individuals seek to hold some real value of money balances to acquire goods or to hold their wealth in liquid form. The central bank supplies the nominal quantity of money, but its real value – and thus the price level – is determined by real factors like private sector wealth, which are ground out by the economy’s general equilibrium. These real factors are beyond the control of policy, at least in the long run. Expectational considerations, particularly expectations of inflation, can also affect the desired level of real money balances, as Obstfeld and Rogoff (1983) show. But these expectations may also be beyond the control of policy.

By the monetarist viewpoint, government controls only the nominal object – money supply – and not the real or expectational objects that determine its value. This is why monetarist models are plagued by indeterminacies and self-fulfilling equilibria (Kareken and Wallace, 1981, Obstfeld and Rogoff, 1983, and Sims, 1994).

New Keynesian analyses fare no better. They shift the focus away from money to the nominal interest rate, which is the instrument that most modern central banks target. Fundamental economic behavior connects real consumption demand negatively to the entire expected path of ex-ante real interest rates. In the presence of nominal rigidities, monetary policy’s choice of the nominal rate can affect the real rate in the short run. Higher real rates reduce demand for goods and, therefore, the price level.

But few economists believe monetary policy can affect real interest rates forever. In fact, long-run neutrality is a central tenet of inflation targeting. As in the monetarist view, new Keynesian theory gives the government control over a nominal object, but only temporary influence over real variables. Several authors have argued that indeterminacies are ubiquitous in new Keynesian models of monetary policy (Benhabib, Schmitt-Grohé and Uribe, 2001, Cochrane, 2011, and Sims, 2013).

Determinacy problems with monetarist and new Keynesian perspectives stem from attempts to view inflation as a purely monetary phenomenon. Problems disappear once

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3 High-powered money is currency plus bank reserves. Although currency earns no interest, many countries now pay interest on reserves.
4 This theory is developed formally in Leeper (1991), Sims (1994), Woodford (1995), and Cochrane (1999).
fiscal policy, and its control of primary surpluses, is fully integrated into the analysis. Cochrane (2011) and Sims (2013) illustrate that appropriate fiscal backing for monetary policy can eliminate self-fulfilling explosive inflation paths. Del Negro and Sims (2015) specify fiscal behavior that rules out low-inflation traps.

Perhaps monetary economists dismiss the joint monetary-fiscal message on the grounds that abstract theoretical arguments have little relevance for the practical problems that central banks now face. After all, have we ever seen speculative hyperinflation? Maybe not. But we are all now living through extended periods of low inflation and tepid economic growth. Maybe it’s time to adopt a broader perspective on inflation than money-only views offer.

Movement toward that broader perspective starts with understanding how monetary and fiscal policy must interact in any equilibrium. Although there are many similarities between how monetary and fiscal policy affect the economy, one distinction between the two is central: fiscal policy has taxing power; monetary policy does not.5

3 How monetary and fiscal policies interact

Rather than explore the pathologies of exploding inflation or chronic deflations, this discussion focuses, as do most central bank models, on relatively small fluctuations around a stable and unique steady state. The discussion is about “normal times” or even periods, like now, when inflation has been moderately below target for some period. Appendix A describes the formal model and the solution that underlies this verbal description.

Macroeconomic policies have two fundamental tasks to accomplish: determining the price level (and inflation rate) and stabilizing government debt. Of course, policies have a great many other objectives as well, but if they are not successful in achieving these two minimal tasks, they will be unable to pursue other worthy objectives.

The Riksbank, like many central banks, has a mandate to target inflation. If inflation is not determined uniquely, it means that inflation can wander around in a manner detached from the central bank’s actions and goals. Clearly, an inflation-targeting central bank must ensure that inflation is unique and that it responds in predictable ways to policy actions.

Analogously, if policies do not stabilize debt, then debt can grow without limit to a point where it is impossible for the government to honor its obligations. In this situation, the government can no longer borrow and it must finance all its spending year-by-year. Inability to borrow makes fiscal policy unable to conduct countercyclical policy or to build automatic stabilizers into spending and taxes. Tax rates and spending will have to move dramatically over time with shocks that hit the economy. Those dramatic movements create inefficiencies that reduce economic well-being.

Price-level determination and debt stabilization are necessary for good economic performance, so it is important to understand how monetary and fiscal policy together can achieve them. The theoretical literature finds that there are two different mixes of monetary and fiscal behavior that deliver both a determinate price level and stable debt when attention is limited to bounded equilibria, as it is in central bank models. I describe these in terms of common – and simple – specifications of policy rules: monetary policy sets the short-term nominal interest rate as a function of current inflation and fiscal policy makes tax revenues net of transfers respond to past real government debt outstanding, where both net revenues and debt are measured as ratios of GDP. These are stylized policy rules: actual policy behavior is far more complex.

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5 This statement makes the distinction too stark. Modern central banks do have some taxing capacity through seigniorage revenues. But using this tax instrument will generally conflict with achieving an inflation target.
Table 1. Monetary and fiscal regimes
Two policy mixes that deliver determinate price level and stable debt. In the policy rules, \( i \) is the interest-rate instrument, \( \pi_t \) and \( \pi^* \) are actual and target inflation, \( T \) is tax revenues net of transfers as ratio of GDP, \( b_{t-1} \) and \( b^* \) are actual and target debt-GDP levels. The random error terms, \( \varepsilon \)'s, are exogenous changes in policy instruments.

| Regime M | Monetary Policy: \( i_t = \bar{i} + \alpha (\pi_t - \pi^*) + \varepsilon_t \) | targets inflation by raising nominal interest rate more than one-for-one with inflation |
| Fiscal Policy: | raises taxes when real government debt rises by enough to cover real debt service and to eventually retire the increase in principal |
| Label: | Active Monetary and Passive Fiscal Policy |

| Regime F | Monetary Policy: \( i_t = \bar{i} + \gamma (b_{t-1} - b^*) + \varepsilon_t \) | adjusts nominal interest rate weakly in response to inflation to ensure that interest payments on government debt do not destabilize debt |
| Fiscal Policy: | makes taxes unresponsive to state of government indebtedness and the price level |
| Label: | Passive Monetary and Active Fiscal Policy |

Table 1 summarizes the combinations of monetary and fiscal policies that are consistent with a determinate equilibrium. Regime M produces an equilibrium that reflects the conventional assignment of the two tasks: monetary policy controls inflation and fiscal policy ensures government solvency. This is the policy mix that virtually all central bank models assume prevails.

Regime F flips the assignments, tasking fiscal policy with determining the price level and monetary policy with stabilizing debt. Clear instances of this regime have occurred historically: during wars, when governments borrow heavily, central banks stabilize debt by pegging the interest rate and keeping bond prices high to help finance the war; during recoveries from large financial crises – the Great Depression or the 2009 global financial crisis – central banks keep interest rates at or near their lower bound for extended periods while fiscal policies aim to stimulate the economy through deficit spending.

3.1 Regime M – active monetary/passive fiscal policies
This conventional assignment of tasks produces conventional monetarist/new Keynesian outcomes. When the central bank tightens monetary policy by raising the short-term nominal interest rate – an increase in \( \varepsilon_i \) in Table 1 – inflation falls. But it turns out that fiscal behavior is central to generating this conventional result. A higher policy interest rate has fiscal consequences because it raises yields and debt service on government bonds. When the higher interest rate is engineered by an open-market sale of bonds, the action also raises the principal held by the private sector.

Suppose, in contrast to the passive fiscal behavior in regime M, fiscal policy were to hold taxes fixed following the monetary contraction (that is, fiscal policy sets \( \gamma = 0 \)). If taxes do not rise to cover the additional debt service due to higher interest rates, then the debt service will be financed by selling more nominal government bonds. In time, people will see that nominal debt is growing but taxes are not rising and they will come to expect higher interest rates. This will lead to a boom-bust cycle, with high nominal interest rates and debt service, and lower real interest rates and debt service, which will be self-perpetuating.

6 The table refers to “taxes” as the fiscal instrument, but this should be understood more generally to be the primary surplus – revenues less expenditures net of interest payments on debt.
inflation. That expectation will induce people to substitute out of nominal assets and into buying goods, driving up actual inflation.

We have a contradiction. Monetary policy actions geared toward reducing inflation set in train forces that raise inflation if fiscal policy does not respond appropriately. But regime M posits that fiscal policy will not hold taxes fixed. Higher interest rates raise real debt in two ways: through increased debt service and through a lower price level that raises the real value of nominal bonds. Passive fiscal behavior increases taxes enough to finance the interest payments and gradually retire any increase in real principal. This is the accounting explanation of passive fiscal policy.

What is the economics behind passive fiscal behavior? The contradiction arose because higher debt service raises bond holders’ wealth if taxes are not expected to increase. And because the higher interest payments are rolled into increased debt issuance every period, the size of the wealth effect grows over time. Passive fiscal policy eliminates the wealth effect by following a rule that informs bond holders that their increased bond wealth will be taxed away in the future. With the wealth effect gone, the monetary policy action successfully reduces inflation.

Of course, since 2009 central banks have generally been trying to raise inflation, not lower it. But the reasoning that fiscal policy must eliminate monetary policy-induced wealth effects is perfectly symmetric. When the central bank reduces interest rates in order to raise inflation, it triggers negative wealth effects that need to be offset by lower future taxes.

At the beginning of the financial crisis, monetary and fiscal policies were complementary: central banks rapidly reduced interest rates and many governments implemented substantial fiscal stimulus packages. Those packages, though, took the form of temporary increases in spending and decreases in taxes. And when the stimulus expired, countries quickly began to consolidate fiscal policy. By 2010, the IMF’s Fiscal Monitor was entitled “Fiscal Exit: From Strategy to Implementation”, making clear that the time for fiscal retrenchment had arrived (IMF, 2010).

Consider the situation in which the Euro Area and countries like Sweden, Switzerland and Japan find themselves. Inflation has been chronically below target and policy interest rates have been pushed into negative territory after being near zero for many years. Those central banks have also engaged in sizeable asset purchases designed to drive down interest rates at the long end of the yield curve. Despite what in regime M constitutes very loose monetary policy, inflation has remained stubbornly low. How can this happen? Section 4 will return to this conundrum.

Exogenous changes in fiscal policy in this regime are trivial by design. Passive fiscal behavior delivers Ricardian equivalence in simple representative agent models. Cuts in lump-sum taxes or increases in transfers are initially financed by more bond issuance. But higher real debt raises the taxes that people expect to pay in the future. Recipients of the tax cut save their increase in disposable income to pay for those future taxes. The fiscal rule in regime M ensures future taxes exactly offset the initial tax cut or transfers increase so there is no wealth effect and no impact on inflation.7

3.2 Regime F – passive monetary/active fiscal policies
Switching policy assignments, as regime F does, dramatically alters the impacts of monetary and fiscal policies and the roles that the two policies play in determining inflation and stabilizing debt. The notions that fiscal behavior may determine the price level and monetary policy can stabilize debt may be alien to some readers, so I’ll try to explain how these can happen.

7 Of course, exact Ricardian equivalence is an extreme and implausible assumption. Fortunately the logic of the arguments in this essay does not rely on this assumption.
The simplest examples of regime F policies look a lot like the policies many advanced economies adopted immediately after the financial crisis hit: monetary policy pegged the nominal interest rate and fiscal policy chose taxes and spending that created deficits designed to stimulate the economy, setting aside efforts to stabilize debt. In terms of the rules in Table 1, these policies set $\alpha = 1$ and $\gamma = 0$. Appendix B goes through this case formally; here I focus on the economic intuition.

Imagine that the government increases transfers to the public — lower $\epsilon_t$ — and finances those transfers by selling new nominal government bonds. Because fiscal policy is not responding to debt and the public understands this behavior, people see that the transfers do not generate higher future taxes (or lower transfers). This makes them feel wealthier and they try to use those transfers to buy goods they can consume. Higher demand for goods raises the krona price of goods. As goods prices rise, the nominal assets people hold lose value, tempering the higher real demand. If the supply of goods in the economy is perfectly inelastic, equilibrium is restored once the price level has risen enough to eliminate the initial positive wealth by reducing the real value of the government bonds held by the public.\(^8\)

How does monetary policy behavior fit into this chain of reasoning? An essential step in the reasoning is that the price level (and inflation rate) rises sufficiently to eliminate the initial wealth effect from higher transfers. Suppose that the central bank tries to combat this inflation by sharply raising the nominal interest rate, as it does in regime M. This policy reaction triggers a very different sequence of events. Higher rates increase bondholders’ interest receipts, which do not portend offsetting future taxes in regime F. People will want to convert this interest income into consumption goods, further increasing demand for goods to drive prices still higher. A hawkish central bank responds to this second round of inflation by raising interest rates still more. This sets off a cycle that puts the economy on a path along which inflation and nominal government debt explode. Loyo (1999) argues that a mix of active monetary and active fiscal policies caused Brazil’s hyperinflation in the late 1980s. This is why stability in regime F requires monetary policy to respond only weakly to inflation.

Pegging the interest rates means monetary policy does not respond at all to the inflation that the original transfers increase produces. Keeping the nominal interest rate fixed prevents interest payments from destabilizing debt. In this simple economy, a one-time increase in transfers financed by nominal bonds creates a jump in the price level that keeps the real value of newly issued debt unchanged. Pegging the interest rate permits this jump to occur.

If the central bank does not hold the interest rate fixed, instead raising it modestly with inflation, the mechanism takes on a dynamic element. A weak increase in the interest rate produces a weak increase in bondholders’ interest receipts in the subsequent period.\(^9\) Higher interest income is spent on goods next period, raising the price level. Once again, this sets off a cycle, but in this case the cycle is stable and the interest income and price effects gradually dissipate.

Just as fiscal policy provided backing for monetary policy’s control of inflation in regime M, monetary policy supports fiscal policy in regime F by ensuring government debt is stable. In both regimes, stability comes from a passive policy authority that accommodates the actions the active authority takes.

We have established that exogenous fiscal actions have very different impacts in regime F than in regime M. It turns out that monetary actions also have very different effects in the two regimes. Alert readers have probably deduced that a positive shock to the interest rate in regime F will eventually raise rather than lower inflation. This seemingly perverse outcome

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\(^8\) Inelastic supply is a simplifying assumption that can be dispensed with at the cost of substantial complication. In the presence of nominal rigidities, goods supply becomes elastic, responding to changes in the price level. Nominal rigidities enrich, but also greatly complicate, the analysis.

\(^9\) Here all government bonds are pure discount bonds that mature in one period. Bonds bought in period $t$ cost $B_t/(1+i_t)$ kronor and pay $B_t$ kronor next period. Generalizing to a full maturity structure for bonds alters the dynamics, but not the basic logic. See Cochrane (2001) or Leeper and Leith (2016).
stems from precisely the wealth effects from debt service that have been a theme of this essay. Whether the higher interest rate raises, lowers, or leaves unchanged the price level on impact depends on various model details.

In regime M, positive wealth effects from higher interest rates were eliminated by higher taxes. Those taxes are not forthcoming in regime F. By the reasoning above, higher future interest income will raise future demand and future prices. One immediate result is that “tighter” monetary policy – a higher policy interest rate – raises expected inflation in regime F.

3.3 Summary

In one important respect, the policy effects in regime F require far less stringent assumptions about private behavior than do the outcomes in regime M. Central to both the monetary and fiscal impacts in regime M is the assumption that private agents know the policy rules that authorities obey and form expectations of future policies rationally. For example, Ricardian equivalence requires the private sector to save current tax cuts to pay for rationally expected future tax hikes. Similarly, monetary policy’s control of inflation rests heavily on private agents anticipating that future taxes will eliminate the wealth effects of changes in nominal interest rates. Eusepi and Preston (2013) and Sims (2016a) show that if private behavior is purely backward-looking, equilibria always resemble those in regime F.

I trust that this exposition makes it clear that a central bank tasked with targeting inflation needs to be confident that fiscal policy will behave in a passive manner. In practice, discovering the nature of fiscal behavior can be tricky. A first step in the process of discovery is for central bank models to include fiscal details – nominal government debt, tax rates, various types of expenditures, and rules for fiscal behavior. A second step is to permit the data to inform about the prevailing monetary-fiscal regime. I know of no central banks that have taken these steps.

4 Fiscal rules and fiscal backing

In this section, I focus on two countries that have had fiscal rules for some years and take those rules seriously. By “seriously” I mean the governments actually follow the rules. My intent is not to conduct a rigorous analysis of exactly how fiscal policies in these countries have affected their inflation processes – such analysis goes well beyond this essay. Instead, I briefly describe the countries’ rules and point to some merely suggestive evidence that these rules may make it difficult for the Swedish and Swiss central banks to achieve their inflation targets.

Sweden’s Fiscal Policy Framework lays out the general principles that guide fiscal policy (Swedish Government, 2011). Each government then adopts the particular rules it will follow to be consistent with the framework. Currently, Sweden aims for a 1/3 percent of GDP target for net lending (the surplus inclusive of interest payments) and is now considering also imposing a 35 percent of GDP “debt anchor”. This anchor is akin to a target around which debt will fluctuate within prespecified bounds.10

Since a nationwide referendum in 2001, Switzerland has followed a debt brake, which limits spending to average revenue growth over several years. If spending differs from this limit, the difference is debited or credited to an adjustment account that has to be corrected in coming years. Debt brakes have a built-in error-correction mechanism intended to restrict the size of government debt.11

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10 Many more details are available on the Swedish Fiscal Policy Council’s web page (www.government.se/government-agencies/swedish-fiscal-policy-council/).
The top panel of Figure 1 suggests that Swedish and Swiss fiscal rules have worked to limit debt growth. In both countries, debt has steadily fallen over the past 15 years and now is about 35 percent of GDP. Remarkably – and these two countries may be the sole exceptions – debt either continued to fall or was flat during the financial crisis. This stunning outcome is a testament to the effectiveness of fiscal rules that are followed.

But this prudent fiscal policy may have come at a cost in terms of inflation targeting. Both countries have 2 percent inflation targets that have been missed. In Switzerland, inflation has been persistently below target since the beginning of 2009. As of this writing in October 2016, CPI inflation in Sweden is about 1 percent, while it is approaching 0 percent in Switzerland.

Money-only understandings of inflation that neglect fiscal policy have a difficult time explaining why zero or negative policy interest rates that have lasted for years have failed to bring inflation up to target. The discussion in Section 3.1 points toward one possible explanation. If the urge to reduce government debt makes fiscal policy respond asymmetrically to monetary policy – raising taxes/cutting spending when interest rates rise, but not cutting taxes/raising spending when interest rates fall – then fiscal policy is not providing the backing necessary for monetary easing to raise inflation. Whether governments in Sweden and Switzerland are implementing fiscal policy in this asymmetric manner requires careful analysis that extends well beyond the data in Figure 1.

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12 The Swiss National Bank set the policy rate negative beginning in December 2014 and Sveriges Riksbank made the repo rate negative starting in February 2015.
To my knowledge, central banks are not even asking the questions that arise from conceiving inflation as a joint monetary-fiscal phenomenon. And central bank models, as currently specified, cannot address the questions. Those models impose symmetric rules — when they impose any fiscal rules at all — that behave as regime M prescribes. Conditional on those rules, the models attribute below-target inflation rates in the wake of extremely low monetary policy interest rates to a host of non-policy shocks — price or wage markups, preferences — or to foreign policy disturbances. The argument in this essay points away from shocks and toward systematic, asymmetric fiscal policy behavior.

Figures 2 and 3 report evidence consistent with the view that Swedish and Swiss fiscal policies have focused strongly on debt reduction. The figures plot estimated zero-coupon government bond yield curves at various dates. In Sweden, yields are negative for maturities up to five years, as Figure 2 shows. Swiss yields are even more striking: negative at maturities of 10 years, as Figure 3 plots.

A careful analysis would decompose these negative yields into components due to expected inflation, long-term real interest rates, and term premia. It’s treacherous to read too much into these figures, but they do stimulate some questions. Is there a shortage of safe assets in these countries? Do these yields mean that inflation expectations have become untethered from the central banks’ inflation targets? Or do the yields largely reflect declining real interest rates worldwide, which are beyond the policy authorities’ influence?
We can infer something with confidence. The private sector is willing to pay these governments to borrow from them for periods of 5 to 10 years. But the governments have refused the private sector’s generous offer. At a minimum, the figures raise the question of why governments do not take up this offer and invest the proceeds in sovereign wealth funds, infrastructure, or any other investment whose return is likely to exceed the negative cost of borrowing.

5 Concluding remarks
Research on monetary-fiscal policy interactions is not new. Friedman (1948) originally advocated a policy mix much like that in regime F. By Friedman (1960), he had shifted his advocacy to something close to regime M. Importantly, both positions explicitly specified monetary and fiscal behavior. From about Friedman (1970, 1971) on, though, Friedman’s analyses focused solely on money and monetary policy. Fiscal considerations had been pushed so deeply into the background that they didn’t play any role in his views of inflation. Contemporary economists like Patinkin (1965), Tobin (1974), and Brunner and Meltzer (1974) never adopted Friedman’s extreme money-only views, but their more complex approaches never gained much traction against simple monetarism.

Friedman’s money-only view continues to dominate analyses of inflation and inflation-targeting frameworks in which central banks operate. Even the massive economic disruptions caused by the global financial crisis and the unprecedented and unconventional monetary policy actions of the past eight years have not shaken the belief that price-level and inflation determination can be understood without reference to fiscal policy.

Sims (2016b) offers a non-technical exposition of how bringing monetary and fiscal policy jointly into the picture alters one’s perceptions on several pressing macroeconomic issues:

1. central bank independence
2. large central bank balance sheets
3. the apparent ineffectiveness of monetary policy in advanced nations in recent years
4. providing economic stimulus when interest rates are at their lower bound.

Sims does not explicitly address the matter of whether adopted fiscal rules can conflict with the central bank’s mandate to target inflation, but this is implied by much of what he writes.

Fiscal rules are designed to solve a political problem – the bias toward running excessive budget deficits – but may create an economic problem. And the cure may be worse than the disease if it undermines the ability of monetary policy to control inflation. Central banks cannot rely on fiscal authorities to work through the implications of their rules for monetary policy. That requires a level of analysis that in the realm of government, central bank economists are uniquely qualified to perform.
References


