

Traditional versus New Keynesian Phillips Curves: Evidence from Output Effects*

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We identify a crucial difference between the backward-looking and forward-looking Phillips curve concerning the real output effects of monetary policy shocks. The backward-looking Phillips curve predicts a strict intertemporal trade-off in the case of monetary shocks: a positive short-run response of output is followed by a period in which output is below baseline and the cumulative output effect is exactly zero. In contrast, the forward-looking model implies a positive cumulative output effect. The empirical evidence on the cumulated output effects of money is consistent with the forward-looking model. We also use this method to determine the degree of forward-looking price setting.

JEL Codes: E31, E32, E40.

1. Introduction

The dynamic effects of aggregate demand on output and inflation are still an open question. Even after decades of investigation, this issue is still highly controversial, with only a few definitive answers available. At stake in this discussion are the nature of the business cycle and the appropriate conduct of monetary policy, among others. The discussion has typically been framed within a Phillips-curve

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Traditional Versus New Keynesian Phillips Curves Evidence From Output Effects

Leah Downey



Traditional Versus New Keynesian Phillips Curves Evidence From Output Effects:

Traditional Versus New-Keynesian Phillips Curves Bernhard Herz, 2007 The issue of the backward looking versus the forward looking Phillips curve is still an open question in the macroeconomics profession We identify a crucial difference between the two hypotheses concerning the real output effects of monetary policy shocks The backward looking Phillips curve predicts a strict intertemporal trade off in the case of monetary shocks a positive short run response of output is followed by a period where output is below the baseline The resulting cumulative output effect is exactly zero In contrast the forward looking model implies that the cumulative output effect of temporary monetary shocks is positive The empirical evidence on the cumulated output effects of money are consistent with the forward looking model Issues in Banking and Financial Markets: 2013 Edition, 2013-05-01 *Issues in Banking and Financial Markets 2013 Edition* is a ScholarlyBrief that delivers timely authoritative comprehensive and specialized information about Banking in a concise format The editors have built *Issues in Banking and Financial Markets 2013 Edition* on the vast information databases of ScholarlyNews You can expect the information about Banking in this book to be deeper than what you can access anywhere else as well as consistently reliable authoritative informed and relevant The content of *Issues in Banking and Financial Markets 2013 Edition* has been produced by the world's leading scientists engineers analysts research institutions and companies All of the content is from peer reviewed sources and all of it is written assembled and edited by the editors at ScholarlyEditions and available exclusively from us You now have a source you can cite with authority confidence and credibility More information is available at <http://www.ScholarlyEditions.com> *The New Keynesian Monetary Model. Does it Show the Comovement between Output and Inflation in the U.S. and the Euro Area?*, **Econometric Methods for Analyzing Economic Development** Schaeffer, Peter V., 2013-07-31 Exploring and understanding the analysis of economic development is essential as global economies continue to experience extreme fluctuation Econometrics brings together statistical methods for practical content and economic relations *Econometric Methods for Analyzing Economic Development* is a comprehensive collection that focuses on various regions and their economies at a pivotal time when the majority of nations are struggling with stabilizing their economies Outlining areas such as employment rates utilization of natural resources and regional impacts this collection of research is an excellent tool for scholars academics and professionals looking to expand their knowledge on today's turbulent and changing economy The Oxford Handbook of the Economics of Central Banking David G. Mayes, Pierre L. Siklos, Jan-Egbert Sturm, 2019-02-15 The economic influence of central banks has received ever more attention given their centrality during the financial crises that led to the Great Recession strains in the European Union and the challenges to the Euro The *Oxford Handbook of the Economics of Central Banking* reflects the state of the art in the theory and practice and covers a wide range of topics that will provide insight to students scholars and practitioners As an up to date reference of the current and potential challenges faced by central banks in the conduct of monetary policy and in the

search for the maintenance of financial system stability this Oxford Handbook covers a wide range of essential issues The first section provides insights into central bank governance the differing degrees of central bank independence and the internal dynamics of their decision making The next section focuses on questions of whether central banks can ameliorate fiscal burdens various strategies to affect monetary policy and how the global financial crisis affected the relationship between the traditional focus on inflation targeting and unconventional policy instruments such as quantitative easing QE foreign exchange market interventions negative interest rates and forward guidance The next two sections turn to central bank communications and management of expectations and then mechanisms of policy transmission The fifth part explores the challenges of recent developments in the economy and debates about the roles central banks should play focusing on micro and macro prudential arguments The implications of recent developments for policy modeling are covered in the last section The breadth and depth enhances understanding of the challenges and opportunities facing central banks

Macroeconomics and the Real World: Volume 2: Keynesian Economics, Unemployment, and Policy Roger E. Backhouse, Andrea Salanti, 2000-11-23 Since the middle of twentieth century economists have invested great resources into using statistical evidence to relate macroeconomic theories to the real world and many new econometric techniques have been employed In these two volumes a distinguished group of economic theorists econometricians and economic methodologists examine how evidence has been used and how it should be used to understand the real world Volume 1 focuses on the contribution of econometric techniques to understanding the macroeconomic world It covers the use of evidence to understand the business cycle the operation of monetary policy and economic growth A further section offers assessments of the overall impact of recent econometric techniques such as cointegration and unit roots Volume 2 focuses on the labour market and economic policy with sections covering the IS LM model the labour market new Keynesian macroeconomics and the use of macroeconomics in official documents in both the USA and EU These volumes will be valuable to advanced undergraduates graduate students and practitioners for their clear presentation of opposing perspectives on macroeconomics and how evidence should be used The chapters are complemented by discussion sections revealing the perspectives of other contributors on the methodological issues raised

Monetary Policy and the German Unemployment Problem in Macroeconomic Models Jan Gottschalk, 2007-04-29 Having the high unemployment in Germany in mind this book discusses how macroeconomic theory has evolved over the past forty years It shows that in recent years a convergence has taken place with modern models embodying a Keynesian transmission mechanism monetarist policy implication and modeling techniques inspired by new classical economics and real business cycle theory It also probes in which direction models may be extended from here Empirically the book uses different econometric techniques to investigate the relevance and implications of different macroeconomic theories for German data A key question this book investigates is the role of demand and supply side conditions for the increase in the German unemployment rate On a policy level the book

relates the implications of the different theories to the ongoing debate on the appropriate roles of demand and supply side policies for curing the German unemployment problem [New Tests of the New-Keynesian Phillips Curve](#) Jeremy Bay Rudd, Karl Whelan, 2001

Still Minding the Gap—Inflation Dynamics during Episodes of Persistent Large Output Gaps Mr. Andre Meier, 2010-08-01 This paper studies inflation dynamics during 25 historical episodes in advanced economies where output remained well below potential for an extended period We find that such episodes generally brought about significant disinflation underpinned by weak labor markets slowing wage growth and in many cases falling oil prices Indeed inflation declined by about the same fraction of the initial inflation rate across episodes That said disinflation has tended to taper off at very low positive inflation rates arguably reflecting downward nominal rigidities and well anchored inflation expectations Temporary inflation increases during episodes were in turn systematically related to currency depreciation or higher oil prices Overall the historical patterns suggest little upside inflation risk in advanced economies facing the prospect of persistent large output gaps

Central Bank Policy Perry Warjiyo, Solikin M. Juhro, 2019-07-25 Central Bank Policy Theory and Practice analyses various policies theories and practices adopted by central banks as well as the institutional arrangements underlying the principles of good governance in policy making It is the first book to comprehensively discuss the latest theories and practices of central bank policy

Here Comes the Change: The Role of Global and Domestic Factors in Post-Pandemic Inflation in Europe Mahir Binici, Samuele Centorrino, Mr. Serhan Cevik, Gyowon Gwon, 2022-12-09 Global inflation has surged to 7.5 percent in August 2022 from an average of 2.1 percent in the decade preceding the COVID 19 pandemic threatening to become an entrenched phenomenon This paper disentangles the confluence of contributing factors to the post pandemic rise in consumer price inflation using monthly data and a battery of econometric methodologies covering a panel of 30 European countries over the period 2002-2022 We find that while global factors continue to shape inflation dynamics throughout Europe country specific factors including monetary and fiscal policy responses to the crisis have also gained greater prominence in determining consumer price inflation during the pandemic period Coupled with increasing persistence in inflation these structural shifts call for significant and an extended period of monetary tightening and fiscal realignment

Quantitative and Empirical Analysis of Nonlinear Dynamic Macromodels Carl Chiarella, Reiner Franke, Peter Flaschel, Willi Semmler, 2006-05-30 This book represents an ongoing research agenda the aim of which is to contribute to the Keynesian paradigm in macroeconomics It examines the Dynamic General Equilibrium DGE model the assumption of intertemporal optimizing behavior of economic agents competitive markets and price mediated market clearing through flexible wages and prices

[The Consequences of Falling Behind the Curve: Inflation Shocks and Policy Delays Under Rational and Behavioral Expectations](#) Ms. Mai Hakamada, Carl E. Walsh, 2024-03 Central banks in major industrialized economies were slow to react to the surge in inflation that began in early 2021 The proximate causes of this surge were the supply chain disruptions associated with the easing of COVID restrictions fiscal policies designed to cushion

the economic impact of COVID and the impact on commodity prices and supply chains of the war in Ukraine We investigate the consequences of policy delay in responding to inflation shocks First using a simple three period model we show how policy delay worsens inflation outcomes but can mitigate or even reverse the output decline that occurs when policy responds without delay Then using a calibrated new Keynesian framework and two measures of loss that incorporate a balanced approach to weigh inflation and the output gap we find that loss is monotonically increasing in the length of the delay Loss is reduced if policy when it does react is more aggressive To investigate whether these results are sensitive to the assumption of rational expectations we consider cognitive discounting as an alternative assumption about expectations With cognitive discounting forward guidance is less powerful and results in a reduction in the costs of delay Under either assumption about expectations the costs of a short delay can be eliminated by adopting a less inertial policy rule and a more aggressive response to inflation

Interest and Prices Michael Woodford, 2011-12-12 With the collapse of the Bretton Woods system any pretense of a connection of the world's currencies to any real commodity has been abandoned Yet since the 1980s most central banks have abandoned money growth targets as practical guidelines for monetary policy as well How then can pure fiat currencies be managed so as to create confidence in the stability of national units of account Interest and Prices seeks to provide theoretical foundations for a rule based approach to monetary policy suitable for a world of instant communications and ever more efficient financial markets In such a world effective monetary policy requires that central banks construct a conscious and articulate account of what they are doing Michael Woodford reexamines the foundations of monetary economics and shows how interest rate policy can be used to achieve an inflation target in the absence of either commodity backing or control of a monetary aggregate The book further shows how the tools of modern macroeconomic theory can be used to design an optimal inflation targeting regime one that balances stabilization goals with the pursuit of price stability in a way that is grounded in an explicit welfare analysis and that takes account of the New Classical critique of traditional policy evaluation exercises It thus argues that rule based policymaking need not mean adherence to a rigid framework unrelated to stabilization objectives for the sake of credibility while at the same time showing the advantages of rule based over purely discretionary policymaking

Macroeconomic and Fiscal Consequences of Quantitative Easing Mr. Tobias Adrian, Christopher J. Erceg, Marcin Kolasa, Mr. Jesper L. Linde, Pawel Zabczyk, 2025-08-08 Quantitative easing QE has been criticized for helping fuel the post COVID inflation boom and causing large central bank losses In this paper we argue that QE should be evaluated mainly on its ability to achieve core macro objectives as well for its effects on the consolidated fiscal position of the government and central bank although central bank losses can matter to the extent that they may weaken central bank credibility Using a DSGE model with segmented asset markets we show how QE can provide a sizeable boost to output and inflation in a deep liquidity trap and can reduce public debt substantially This contrasts to the rise in public debt that occurs under fiscal expansion and makes QE an attractive tool in a high debt environment There is more reason for

caution in using QE in a shallow liquidity trap in which the notional interest rate is only slightly negative QE runs more risk of causing the economy to overheat especially if forward guidance has a strong element of commitment and is more likely to generate sizeable central bank losses Some refinements in strategy including the use of escape clauses can help mitigate overheating risks

Our Money Leah Downey, 2024-12-10 How the creation of money and monetary policy can be more democratic The power to create money is foundational to the state In the United States that power has been largely delegated to private banks governed by an independent central bank Putting monetary policy in the hands of a set of insulated nonelected experts has fueled the popular rejection of expertise as well as a widespread dissatisfaction with democratically elected officials In *Our Money* Leah Downey makes a principled case against central bank independence CBI by both challenging the economic theory behind it and developing a democratic rationale for sustaining the power of the legislature to determine who can create money and on what terms How states govern money creation has an impact on the capacity of the people and their elected officials to steer policy over time In a healthy democracy Downey argues the balance of power over money creation matters Downey applies and develops democratic theory through an exploration of monetary policy In so doing she develops a novel theory of independent agencies in the context of democratic government arguing that states can employ expertise without being ruled by experts Downey argues that it is through iterative governance the legislature knowing and regularly showing its power over policy that the people can retain their democratic power to guide policy in the modern state As for contemporary macroeconomic arguments in defense of central bank independence Downey suggests that the purported economic benefits do not outweigh the democratic costs

Imperfect Competition and Sticky Prices N. Gregory Mankiw, David Romer, 1991 These two volumes bring together a set of important essays that represent a new Keynesian perspective in economics today This recent work shows how the Keynesian approach to economic fluctuations can be supported by rigorous microeconomic models of economic behavior The essays are grouped in seven parts that cover costly price adjustment staggering of wages and prices imperfect competition coordination failures and the markets for labor credit and goods An overall introduction brief introductions to each of the parts and a bibliography of additional papers in the field round out this valuable collection Volume 1 focuses on how friction in price setting at the microeconomic level leads to nominal rigidity at the macroeconomic level and on the macroeconomic consequences of imperfect competition including aggregate demand externalities and multipliers Volume 2 addresses recent research on non Walrasian features of the labor credit and goods markets Contributors George A Akerlof Costas Azariadis Laurence Ball Ben S Bernanke Mark Bits Olivier J Blanchard Alan S Blinder John Bryant Andrew S Caplin Dennis W Carlton Stephen G Cecchetti Russell Cooper Peter A Diamond Gary Fethke Stanley Fischer Robert E Hall Oliver Hart Andrew John Nobuhiro Kiyotaki Alan B Krueger David M Lilien Ian M McDonald N David Mankiw Arthur M Okun Andres Policano David Romer Julio J Rotemberg Garth Saloner Carl Shapiro Andrei Shleifer Robert M Solow Daniel F Spulber Joseph E Stiglitz Lawrence H Summers John Taylor Andrew Weiss

Michael Woodford Janet L. Yellen **Monetary Policy Strategy in a Global Environment** Philippe Moutot, Giovanni Vitale, 2009 Since the mid 1980s the world economy has gone through profound transformations of which the sources and effects are probably not yet completely understood The process of continuous integration in trade production and financial markets across countries and economic regions which is what is generally defined as globalisation affects directly the conduct of monetary policy in a variety of respects The aim of this paper is to present an overview of the structural implications of globalization for the domestic economies of developed countries and to deduce from these implications lessons for the conduct of monetary policy and in particular the assessment of risks to price stability Charts and tables

Globalization and Inflation Dynamics Argia M. Sbordone, 2007 This paper analyzes the potential effect of global market competition on inflation dynamics It does so through the lens of the Calvo model of staggered price setting which implies that inflation depends on expected future inflation and a measure of marginal costs I modify the assumption of a constant elasticity of demand standard in this model to provide a channel through which an increase in the number of traded goods may affect the degree of strategic complementarity in price setting and hence alter the dynamic response of inflation to marginal costs I first discuss the behavior of the variables that drive the impact of trade openness on this response and then I evaluate whether an increase in the variety of traded goods of the size observed in the US in the 90s might have a sizable quantitative impact I find that it is difficult to argue that such an increase in trade should have generated an increase in US market competition leading to a decline in the slope of the inflation marginal cost relation **Taming Indian**

Inflation Mr. Paul Cashin, Rahul Anand, 2016-02-25 High and persistent inflation has presented serious macroeconomic challenges in India in recent years increasing the country's domestic and external vulnerabilities A number of factors underpin India's high inflation This book analyzes various facets of Indian inflation the causes consequences and policies being implemented to manage it Several chapters are devoted to analyzing and managing food inflation given its significance in driving overall inflation dynamics in India

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