New Keynesian and Post Keynesian: 
Analysis of Monetary Policy and Banking Sector Behavior

Tesi di Dottorato di Olimpia Fontana
Matricola: 3710486

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# Contents

Introduction p. 6

1. New Keynesian versus Post Keynesian: long run predictions 8
   1.1 Keynesian Revolution and Classical Economics: an early Synthesis 9
      1.1.1 Fundamental Keynesian postulates 9
      1.1.2 Neoclassical – Keynesian Synthesis 11
   1.2 Towards New Keynesian: theoretical background 13
      1.2.1 Monetarist critique: revival of Quantity Theory 13
      1.2.2 Rational Expectations: a revolution in policy prescription 15
      1.2.3 Real Business Cycle: a methodological contribution 19
   1.3 A new Neoclassical – Keynesian Synthesis 22
      1.3.1 New Keynesian theory 23
      1.3.2 The model structure 25
      1.3.3 Functioning and transmission mechanism 33
      1.3.4 Some observations 35
   1.4 Post Keynesian theory 38
      1.4.1 Presuppositions for alternative paradigm 38
      1.4.2 Endogenous money: two interpretations 40
      1.4.3 Growth and distribution 46
      1.4.4 Post Keynesian model: an amendment to New Keynesian 50

2. Financialization and Stock-Flow Consistent approach 54
   2.1 What is financialization 54
      2.1.1 The financialization of capitalism 54
      2.1.2 New financial architecture and securitization process 57
      2.1.3 Securitization in the U.S. context 62
   2.2 Post Keynesian and financialization 63
      2.2.1 Stock-Flow Consistent approach: background and main features 64
      2.2.2 An accounting methodology 70

3. A Stock-Flow Consistent model of housing market, securitization process and banking sector 73
3.1 General features of the model 74
3.2 The Social Accounting Matrixes 75
3.3 Variables and accounting identities 76
3.4 Equations of the model 81
  3.4.1 Worker households 81
  3.4.2 Capitalist households 83
    3.4.2.1 Portfolio choice of capitalist households 84
  3.4.3 Housing market 86
  3.4.4 Firms 87
  3.4.5 Commercial banks 89
  3.4.6 Investment banks 91
  3.4.7 System wide implications 95
3.5 Experiments 95
  3.5.1 Effect of a shock on expected price of securities 95
  3.5.2 Effect of a shock on expected price of houses 100
Appendix 1. The complete model 104
Appendix 2. Value of parameters (by sector) 112
Appendix 3. Value of parameters of portfolio choice equations of capitalists households 113
Appendix 4. Value of parameters of portfolio choice equations of investment banks 113

Conclusion 114

References 119
Introduction

This work is basically divided into two parts. The first provides the economic theoretical background preliminary to the exposition of the second part, which is represented by the elaboration and implementation of a theoretical macroeconomic model, grounded in Post Keynesian theory. The subject under investigation is the securitization process, which has been at the centre of the 2007-2009 crisis in the United States. The aim is to analyze, through the construction of an elaborate model, the links between the financial sector and the housing market and to assess the nature of the crisis: the 2007-2009 financial crisis has been a households-led or a finance-led crisis? The novelty of our work is represented by the detailed description of the private banking sector in the Stock-Flow Consistent approach, assuming that investment banks carry out an active management of their balance sheet.

The work has the following structure. Chapter 1 develops a comparative analysis of New Keynesian and Post Keynesian paradigms, based on their respective literature review. Although the two theories have a common denominator, John Maynard Keynes, the assumptions and models they are based on lead to very different results in terms of policy implications, because of the influences played by other schools of thought that have changed the original message of Keynes. After all, Keynes himself, soon after writing “The General Theory”, admits that “if the simple basic ideas can become familiar and acceptable, time and experience and the collaboration of a number of minds will discover the best way of expressing them” (Keynes, 1937, p. 212). We take into consideration the developments – or better, the revolutions and counter-revolutions – in recent economic literature, which provides the ground for the model currently used by policy makers, the Dynamic Stochastic General Equilibrium model.

In opposition to the New Keynesian vision, also known as the “mainstream”, we present the Post Keynesian theory, whose assumptions, techniques and policy prescriptions totally differ from New Keynesian. Soon, it will become clear that the theory we adopt is more suitable than the mainstream in studying the phenomenon and relationships under investigation in our model at least for the importance it recognizes to the financial side of the economy with respects to the real one in a macroeconomic framework.
Before starting dealing with the model itself and its simulations, in chapter 2 we provide a brief treatment of the topic, that is financialization, which has acquired more and more relevance in recent economic events. We also introduce the particular methodology implemented in our model, the Stock-Flow Consistent approach, which in the last ten years has seemed to attract a wider consensus, at least in the heterodox academic community.

Finally, chapter 3 tries to contribute to the Post Keynesian Stock-Flow Consistent research program with a treatment of the modern banking sector management, which is a crucial aspect at the basis of the 2007-2009 U.S. financial crisis. Probably one of the main advantages of the Stock-Flow Consistent approach is the possibility to integrate the real and the financial side of the economy. It addiction, it can be adapted to reproduce virtually any level of complexity, although one must cope with a trade-off between realism and handiness. As Caverzasi and Godin (2013) find, in Stock-Flow Consistent literature authors have recently concentrated on modeling a more realistic financial market, rather than a more realistic productive structure or households sectors. And this is the case for our model, where in order to address the monetary-financial aspect of the story we have to sacrifice some real aspects and even some fundamental sectors of an economy.

After a wide model is illustrated through subsets of equations fully commented for each sector, we solve the theoretical model numerically and finally run some shock simulations in order to explore the model properties. We also provide appendixes, where the complete model all put together is provided and the values of parameters are declared.