

Bårdsen, Gunnar; Jansen, Eilev S.; Nymoen, Ragnar
Econometric inflation targeting. (English) Zbl 1065.91530
Econ. J. 6, No. 2, 430-461 (2003).

Summary: Models in the literature on inflation targeting are mostly theoretical or calibrated, even though inflation targeting requires inflation forecasts. The motivation for this paper is therefore threefold: foremost we want to build an econometric model for forecasting inflation in Norway – one economy recently opting for formal inflation targeting rather than a managed nominal exchange rate. Next, we want to quantify the relative importance of the different transmission mechanisms – with basis in empirical estimates rather than calibrated values. Finally, we want to focus on and exploit econometric issues required in the design and estimation of econometric models used for inflation forecasting and policy analysis.

MSC:

91B28 Finance etc. (MSC2000)
91B64 Macroeconomic theory (monetary models, models of taxation)

Keywords:

monetary policy; wages and prices; cointegration; dynamic modelling

Full Text: [DOI](#)

References:

- [1] Akram Q. F. (2000); When does the oil price affect the Norwegian exchange rate? Arbeidsnotat, 2000/8, Research Department, Norges Bank, Central Bank of Norway.
- [2] Allsopp C. (2002); Macroeconomic policy rules in theory and in practice. Discussion Paper 10, External MPC Unit, Bank of England.
- [3] Andersen, Price Rigidity. Causes and Macroeconomic Implications (1994)
- [4] Anderson, Estimation of the parameters of a single equation in a complete system of stochastic equations, *Annals of Mathematical Statistics* 20 pp 46– (1949) · [Zbl 0033.08002](#)
- [5] Anderson, The asymptotic properties of estimates of the parameters of a single equation in a complete system of stochastic equations, *Annals of Mathematical Statistics* 21 pp 570– (1950) · [Zbl 0039.36002](#)
- [6] Ball, Monetary Policy Rules pp 127– (1999)
- [7] Barkbu, Wage coordination and unemployment dynamics in Norway and Sweden, *Journal of Socio-Economics* 32 pp 37– (2003)
- [8] Batini, Monetary Policy Rules pp 157– (1999)
- [9] Blanchflower, The Wage Curve (1994)
- [10] Bårdsen, The Econometrics of Macroeconomic Modelling (2003)
- [11] Bårdsen, Economic theory and econometric dynamics in modelling wages and prices in the United Kingdom, *Empirical Economics* 24 pp 483– (1999)
- [12] Bårdsen, Econometrics and Economic Theory in the 20th Century: The Ragnar Frisch Centennial Symposium pp 499– (1998)
- [13] Bårdsen, Model specification and inflation forecast uncertainty, *Annales d'Économie et de Statistique* 67/68 pp 495– (2002). [doi:10.2307/20076357](#)
- [14] Bårdsen G. , Jansen E. S. & Nymoen R. (2002b); Testing the new Keynesian Phillips curve. Working paper ano 2002/5, Research Department, Norges Bank, Central Bank of Norway.
- [15] Bårdsen, Shaken or stirred? Financial deregulation and the monetary transmission mechanism in Norway, *Scandinavian Journal of Economics* 102 pp 563– (2000)
- [16] Bårdsen, Testing steady-state implications for the NAIRU, *Review of Economics and Statistics* (2003)
- [17] Blanchard O. J. & Katz L. (1999); Wage dynamics: reconciling theory and evidence. NBER Working Paper Series 6924, National Bureau of Economic Research.
- [18] Calmfors, Nordic employment, *Economic Policy* 5 pp 397– (1990)
- [19] Clarida, The science of monetary policy: a new Keynesian perspective, *Journal of Economic Literature* 37 pp 1661– (1999). [doi:10.1257/jel.37.4.1661](#)
- [20] Doornik J. (1996); Testing vector autocorrelation and heteroscedasticity in dynamic models. Working paper, Nuffield College.
- [21] Doornik J. A. & Hansen H. (1994); A practical test of multivariate normality, unpublished paper, Nuffield College.

- [22] Doornik, Modelling Dynamic Systems Using PcFiml 9 for Windows (1997)
- [23] Engle, Exogeneity, *Econometrica* 51 pp 277– (1983)
- [24] Ericsson, *Macroeconometrics: Developments, Tensions and Prospects* (1995)
- [25] Godfrey, Testing for higher order serial correlation when the regressors include lagged dependent variables, *Econometrica* 46 pp 1303– (1978) · [Zbl 0395.62063](#)
- [26] Haldane, Targeting Inflation pp 170– (1995)
- [27] Harbo, Asymptotic inference on cointegrating rank in partial system, *Journal of Business and Economic Statistics* 16 pp 388– (1998)
- [28] Hendry, Modelling UK inflation, 1875-1991, *Journal of Applied Econometrics* 16 pp 255– (2001)
- [29] Hendry, Automatic Econometric Model Selection Using PcGets (2001)
- [30] Hendry, Models, Methods and Applications of Econometrics pp 272– (1993)
- [31] Hoel, Wage formation in Norwegian manufacturing. An empirical application of a theoretical bargaining model, *European Economic Review* 32 pp 977– (1988)
- [32] Holden, Wage setting under different monetary regimes, *Economica* (2003)
- [33] Jacobson, Monetary policy analysis and inflation targeting in a small open economy: a VAR approach, *Journal of Applied Econometrics* 16 pp 487– (2001)
- [34] Jansen, Statistical issues in macroeconomic modelling (with discussion), *Scandinavian Journal of Statistics* 29 pp 193– (2002) · [Zbl 1017.62126](#)
- [35] Jansen, Testing parameter constancy and super exogeneity in econometric equations, *Oxford Bulletin of Economics and Statistics* 58 pp 735– (1996)
- [36] Johansen, Norwegian wage curves, *Oxford Bulletin of Economics and Statistics* 57 pp 229– (1995)
- [37] Johansen, Statistical analysis of cointegration vectors, *Journal of Economic Dynamics and Control* 12 pp 231– (1988) · [Zbl 0647.62102](#)
- [38] Johansen, Cointegration in partial systems and the efficiency of single-equation analysis, *Journal of Econometrics* 52 pp 389– (1992) · [Zbl 0747.62115](#)
- [39] Juselius, Domestic and foreign effects on prices in an open economy: the case of Denmark, *Journal of Policy Modeling* 14 pp 401– (1992)
- [40] Kolsrud, Unemployment and the open economy wage-price spiral, *Journal of Economic Studies* 25 pp 450– (1998)
- [41] Koopmans, Statistical Inference in Dynamic Economic Models pp 53– (1950) · [Zbl 0041.26903](#)
- [42] Layard, *The Unemployment Crises* (1994)
- [43] Lucas, The Phillips Curve and Labor Markets, *Carnegie-Rochester Conference Series on Public Policy* pp 19– (1976)
- [44] Marcellino, Small-system modelling of real wages, inflation, unemployment and output per capita in Italy 1970-1994, *Journal of Applied Econometrics* 16 pp 359– (2001)
- [45] Mizon, *Macroeconometrics: Developments, Tensions and Prospects* pp 107– (1995)
- [46] Moene K. O. , Nymoer R. & Wallerstein M. (1997); The persistence of slack and tight labor markets. Memorandum 97/6, Department of Economics, University of Oslo.
- [47] Nymoer, Wages and the length of the working day. An empirical test based on Norwegian quarterly manufacturing data, *Scandinavian Journal of Economics* 91 pp 599– (1989)
- [48] Nymoer, Explaining unemployment: some lessons from Nordic wage formation, *Labor Economics* 10 pp 1– (2003)
- [49] Røisland & Torvik R. (1999); Exchange rate versus inflation targeting: a theory of output fluctuations in traded and non-traded sectors. *Arbeidsnotat 1999/1*, Norges Bank.
- [50] Rudd J. & Whelan K. (2001); New tests of the New Keynesian Phillips curve. Research and Statistics Discussion Paper 30, Federal Reserve Board of Governors.
- [51] Rudebusch, Monetary Policy Rules pp 203– (1999)
- [52] Sargan, A model of wage-price inflation, *Review of Economic Studies* 47 pp 113– (1980)
- [53] Sargan, *Lectures on Advanced Econometric Theory* (1988)
- [54] Sgherri S. & Wallis K. F. (1999); Policy analysis with macroeconomic models: inflation targetry in a small structural model, unpublished manuscript, Department of Economics, University of Warwick.
- [55] Svensson, Open economy inflation targeting, *Journal of International Economics* 50 pp 155– (2000)
- [56] Teräsvirta, *Handbook of Applied Economic Statistics* pp 507– (1998)
- [57] Walsh C. E. (1999); Monetary policy trade-offs in the open economy, unpublished.
- [58] White, A heteroskedasticity-consistent covariance matrix estimator and a direct test of heteroskedasticity, *Econometrica* 48 pp 817– (1980) · [Zbl 0459.62051](#)
- [59] Woodford, Pitfalls of forward-looking monetary policy, *American Economic Review* 90 pp 100– (2000)

This reference list is based on information provided by the publisher or from digital mathematics libraries. Its items are heuristically matched to zbMATH identifiers and may contain data conversion errors. It attempts to reflect the references listed in the original

paper as accurately as possible without claiming the completeness or perfect precision of the matching.