A detailed overview of available models

A List of Models Available in the Macroeconomic Model Data Base
(version 3.0, 128 models*)

* There are in total 128 models available, including all model variations such as adaptive learning versions, extended models or re-estimated models.
1. CALIBRATED MODELS (37 MODELS)
1.1 NK_AFL15 Angeloni et al. (2015)
1.2 NK_BGG99 Bernanke et al. (1999)
1.3 NK_BGEU10 Blanchard and Gali (2010) Calibrated for the European labor market
1.4 NK_BGUS10 Blanchard and Gali (2010) Calibrated for the U.S. labor market
1.5 NK_CFP10 Carlstrom et al. (2010)
1.6 NK_CGG99 Clarida et al. (1999) - (no replication package)
1.7 NK_CGG02 Clarida et al. (2002) - (no replication package)
1.8 NK_CK08 Christoffel and Kuester (2008) - (no replication package)
1.9 NK_CK09 Curdia and Woodford (2009)
1.10 NK_ET14 Ellison and Tschirbirek (2014)
1.11 NK_FLMF18 Filardo et al. (2018)
1.12 NK_GM05 Gali and Monacelli (2005)
1.13 NK_GM07 Goodfriend and McCallum (2007)
1.14 NK_GM16 Gali and Monacelli (2016)
1.15 NK_GK11 Gertler and Karadi (2011)
1.16 NK_GK09lin linear model based on the working paper of Gertler and Karadi (2011)
1.17 NK_GK13 Gertler and Karadi (2013)
1.18 NK_GDP07 Gali et al. (2007)
1.19 NK_GHP16 Gnocci and Pappa (2016)
1.20 NK_GS14 Gambacorta and Signoretti (2014)
1.21 NK_IR04 Ireland (2004)
1.22 NK_KM16 Krause and Moyen (2016)
1.23 NK_KRS12 Kannan et al. (2012)
1.24 NK_KW16 Kirchner and van Wijnbergen (2016)
1.25 NK_LWW03 Levin et al. (2003) - (no replication package)
1.26 NK_M14 Michaillat (2014)
1.27 NK_MCN99cr McCallum and Nelson (1999), (Calvo-Rotemberg model) - (no replication package)
1.28 NK_MM10 Meh and Moran (2010)
1.29 NK_MPT10 Monacelli et al. (2010)
1.30 NK_NS14 Nakamura and Steinsson (2014)
1.31 NK_PP17 Paoli and Paustian (2017)
1.32 NK_PS16 Pancrazi et al. (2016)
1.33 NK_RA16 Rannenberg (2016)
1.34 NK_RW06 Ravenna and Walsh (2006) - (no replication package)
1.35 NK_RW97 Rotemberg and Woodford (1997) - (no replication package)
1.36 NK_ST13 Stracca (2013)
1.37 RBC_DTT11 De Fiore et al. (2011)

2. ESTIMATED US MODELS (35 MODELS)
2.1 US_ACELm Altig et al. (2005), (monetary policy shock)
2.2 US_ACELt Altig et al. (2005), (technology shocks)
2.3 US_ACELswm no cost channel as in Taylor and Wieland (2011) (mon. pol. shock)
2.4 US_ACELswt no cost channel as in Taylor and Wieland (2011) (tech. shocks)
2.5 US_AJ16 Ajello (2016)
2. ESTIMATED US MODELS (CONTINUED)

2.3 US_BKM12 Bilts et al. (2012)


2.5 US_CD08 Christensen and Dib (2008)

2.6 US_CFOP14 Carlstrom et al. (2014)

2.7 US_CFP17exo Carlstrom et al. (2017) - exogenous level of long-term debt
US_CFP17endo Carlstrom et al. (2017) - endogenous level of long-term debt

2.8 US_CM10 Christiano et al. (2010)
US_CM10fa Christiano et al. (2010) - small version with financial accelerator
US_CM14 ** Christiano et al. (2014) - Version without financial frictions
US_CM14noFA ** Christiano et al. (2014) - Version without financial frictions

2.9 US_CM10 Christiano et al. (2010)
US_CM10fa Christiano et al. (2010) - small version with financial accelerator
US_CM14 ** Christiano et al. (2014) - Version without financial frictions

2.10 US_CP10 Cogley et al. (2010)

2.11 US_DG08 De Graeve (2008)

2.12 US_DNGS15 Del Negro et al. (2015)
US_DNGS15_SW Del Negro et al. (2015) w/o financial frictions
US_DNGS15_SWpi Del Negro et al. (2015) w/o financial frictions and time-varying inflation target

2.13 US_FGKR15 Fernández-Villaverde et al. (2015)


2.15 US_FMS13 Fève et al. (2013)

2.16 US_FRB03 Federal Reserve Board model linearized as in Levin et al. (2003)
US_FRB08 linearized by Brayton and Laubach (2008) - (no replication package)
US_FRB08mx linearized by Brayton and Laubach (2008), (mixed expectations)

2.18 US_FV10 Fernández-Villaverde (2010)


2.20 US_IAC05 Iacoviello (2005)

2.21 US_IN10 Iacoviello and Neri (2010)

2.22 US_IR11 Ireland (2011)

2.23 US_IR15 Ireland (2015)

2.24 US_JPT11 Justiniano et al. (2011)

2.25 US_LWY13 Leeper et al. (2013)

2.26 US_MR10 Mankiw and Reis (2007)


2.28 US_OR03 Orphanides (2003) - (no replication package)

2.29 US_PM08 IMF projection model US, Carabencio et al. (2008)

2.30 US_PV15 Poutineau and Vermandel (2015b)

2.31 US_RA07 Rabanal (2007)

2.32 US_RE09 Reis (2009)

2.33 US_RS99 Rudebusch and Svensson (1999) - (no replication package)

2.34 US_SW07 Smets and Wouters (2007)

2.35 US_VMDno Verona, Martins and Drumond (Verona et al. 2013) - Normal times
US_VMDop Verona, Martins and Drumond (Verona et al. 2013) - Optimistic times
3. **Estimated Euro Area Models (15 models)**

3.1 **EA_AWM05** ECB’s area-wide model linearized as in Dieppe et al. (2005)

3.2 **EA_CKL09** Christoffel et al. (2009)

3.3 **EA_BE15** Benchimol (2015)

3.4 **EA_BF17** Benchimol and Fourçans (2017)

3.5 **EA_CW05ta** Coenen and Wieland (2005), (Taylor-staggered contracts)

3.6 **EA_CW05fm** Coenen and Wieland (2005), (Fuhrer-Moore-staggered contracts)

3.7 **EA_DKR11** Darraeq Paries et al. (2011)

3.8 **EA_GE10** Gelain (2010)

3.9 **EA_GNSS10** Gerali et al. (2010)

3.10 **EA_PV15** Priftis and Vogel (2016)

3.11 **EA_PV17** Priftis and Vogel (2017)

3.12 **EA_SR07** Sveriges Riksbank euro area model of Adolfson et al. (2007)

3.13 **EA_OW03** Smets and Wouters (2003)

3.14 **EA_QR14** Quint and Rabanal (2014)

3.15 **EA_QUEST3** QUEST III Euro Area Model of the DG-ECFIN EU, Ratto et al. (2009)

4. **Estimated/Calibrated Multi-Country Models (8 models)**

4.1 **G2_SIGMA08** The Federal Reserve’s SIGMA model from Erceg et al. 2008, calibrated to the U.S. economy and a symmetric twin.

4.2 **G3_CW03** Coenen and Wieland (2002) model of USA, Euro Area and Japan

4.3 **G7_TAY93** Taylor (1993) model of G7 economies

4.4 **GPM6_IMF13** IMF global projection model with 6 regions Carabenciov et al. (2013)

4.5 **EACZ_GEM03** Laxton and Pesenti (2003) model calibrated to Euro Area and Czech republic

4.6 **EAES_RA09** Rabanal (2009)

4.7 **EAUS_NAWM08** Coenen et al. (2008), New Area Wide model of Euro Area and USA

4.8 **EAUS_NAWMctww** Cogan et al. (2013)

5. **Estimated Models of Other Countries (7 models)**

5.1 **BRA_SAMBA08** Gouvea et al. (2008), model of the Brazilian economy

5.2 **CA_BMZ12** Bailliu et al. (2012)

5.3 **CA_LS07** Lubik and Schorfheide (2007), small-scale open-economy model of the Canadian economy

5.4 **CL_MS07** Medina and Soto (2007), model of the Chilean economy

5.5 **FI_AINO** Kilponen et al. (2016), the AINO II model

5.6 **HK_FPP11** Funke et al. (2011), open-economy model of the Hong Kong economy

5.7 **HK_FP13** Funke and Paetz (2013), open-economy model of the Hong Kong economy

6. **Adaptive Learning Models (11 models)**

6.1 **NK_BGG99AL** Adaptive learning version of Bernanke et al. (1999)

6.2 **NK_CGG99AL** Adaptive learning version of Clarida et al. (1999)

6.3 **NK_CGG02AL** Adaptive learning version of Clarida et al. (2002)

6.4 **NK_IR04AL** Adaptive learning version of Ireland (2004)

6.5 **NK_LWW03AL** Adaptive learning version of Levin et al. (2003)

6.6 **NK_RW97AL** Adaptive learning version of Rotemberg and Woodford (1997)

6.7 **NK_RW06AL** Adaptive learning version of Ravenna and Walsh (2006)
6. ADAPTIVE LEARNING MODELS (CONTINUED)


6.9  US_MI07AL  Milani (2007) - (no replication package)

6.10 US_SW07AL  Slobodyan and Wouters (2012)

6.11 US_YR13AL  Rychalovska (2016) - (no replication package)

For several models that are implemented in the MMB, there is currently no replication package available for download. These models are: NK_CGG99, NK_CGG02, NK_CK08, NK_CKL09, NK_LWW03, NK_MCN99cr, NK_RW06, NK_RW97, US_FRB08, US_OR03, US_RS99, US_MI07AL, and US_YR13AL.
References


Brayton, F., Laubach, T., 2008. Documentation of linearized FRB/US.


URL: http://ideas.repec.org/p/ecb/ecbwps/20101192.html


URL: http://ideas.repec.org/a/mcb/jmoncb/v42y2010is1p107-141.html


Gertler, M., Karadi, P., January 2013. Qe 1 vs. 2 vs. 3 . . . : A framework for analyzing large-scale asset purchases as a monetary policy tool. International Journal of Central Banking 9 (1).


