A list of available models

A List of Models Available in the Macroeconomic Model Data Base
(version 3.1, 151 models*)

* There are in total 151 models available, including all model variations such as adaptive learning versions, extended models or re-estimated models.

1. CALIBRATED MODELS (43 MODELS)
1.1   NK_AFL15[2]   Angeloni et al. (2015)
1.2   NK_BGEU10   Blanchard and Gali (2010) Calibrated for the European labor market
        NK_BGUS10   Blanchard and Gali (2010) Calibrated for the U.S. labor market
1.3   NK_BGG99   Bernanke et al. (1999)
1.4   NK_CFP10   Carlstrom et al. (2010)
1.5[1] NK_CGG99   Clarida et al. (1999)
1.6[1] NK_CGG02   Clarida et al. (2002)
1.7[1] NK_CK08   Christoffel and Kuester (2008)
1.8[1] NK_CKL09   Christoffel et al. (2009)
1.9   NK_CW09   Curdia and Woodford (2009)
1.10   NK_DEFK17   Del Negro et al. (2017)
1.11   NK_DT12   De Fiore and Tristani (2013)
1.12   NK_ET14   Ellison and Tischbirek (2014)
1.13   NK_FLMF18   Filardo et al. (2018)
1.14   NK_GHP16   Gnocci and Pappa (2016)
1.15   NK_GK11   Gertler and Karadi (2011)
        NK_GK09lin   linear model based on the working paper of Gertler and Karadi (2011)
1.16   NK_GK13   Gertler and Karadi (2013)
1.17   NK_GLSV07   Galí et al. (2007)
1.18   NK_GM05   Gali and Monacelli (2005)
1.19   NK_GM07   Goodfriend and McCallum (2007)
1.20   NK_GM16   Galí and Monacelli (2016)
1.21   NK_GS14   Gambacorta and Signoretti (2014)
1.22   NK_GSSZ17   Gilchrist et al. (2017)
1.23   NK_IR04   Ireland (2004)
1.24   NK_JO15ht   Jang and Okano (2015) - high trading
        NK_JO15lt   Jang and Okano (2015) - low trading
1.25   NK_KM16   Krause and Moyen (2016)
1.26   NK_KRS12   Kannan et al. (2012)
1.27   NK_KW16   Kirchner and van Wijnbergen (2016)
1.28[1] NK_LWW03   Levin et al. (2003)
1.29[1] NK_MCN99cr   McCallum and Nelson (1999), (Calvo-Rotemberg model)
1.30   NK_MI14   Michaillat (2014)
1.31   NK_MM10   Meh and Moran (2010)
1.32   NK_MPT10   Monacelli et al. (2010)
1.33   NK_NS14   Nakamura and Steinsson (2014)
1.34   NK_PP17   Paoli and Paustian (2017)
1.35   NK_PSV16   Pancrazi et al. (2016)
1.36   NK_RA16   Rannenberg (2016)
1.37[1] NK_RW06   Ravenna and Walsh (2006)
1.38[1] NK_RW97   Rotemberg and Woodford (1997)
1.39   NK_ST13   Stracca (2013)
1.40   RBC_DTT11   De Fiore et al. (2011)

2. ESTIMATED US MODELS (61 MODELS)
2.1   US_ACELm   Altig et al. (2005), (monetary policy shock)
        US_ACELswm   no cost channel as in Taylor and Wieland (2011) (mon. pol. shock)
        US_ACELswt   no cost channel as in Taylor and Wieland (2011) (tech. shocks)
        US_ACELt   Altig et al. (2005), (technology shocks)

2. ESTIMATED US MODELS (CONTINUED)

2.2	US_AJ16	Ajello (2016)
2.3	US_BKM12	Bils et al. (2012)
2.4	US_CCF12	Chen et al. (2012)
2.5	US_CCTW10	Smets and Wouters (2007) model with rule-of-thumb consumers, estimated by Cogan et al. (2010)
2.6	US_CD08	Christensen and Dib (2008)
2.7	US_CET15	Christiano et al. (2015)
2.8	US_CFOP14	Carlstrom et al. (2014)
2.9	US_CFP17exo	Carlstrom et al. (2017) - exogenous level of long-term debt
	US_CFP17endo	Carlstrom et al. (2017) - endogenous level of long-term debt
2.10	US_CMR10	Christiano et al. (2010)
	US_CMR10fa	Christiano et al. (2010) - small version with financial accelerator
2.11	US_CMR14 [2]	Christiano et al. (2014)
	US_CMR14noFA [2]	Christiano et al. (2014)-Version without financial frictions
2.12	US_CPS10	Cogley et al. (2010)
2.13	US_DG08	De Graeve (2008)
2.14	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
	US_DNGS15_SWSP	Del Negro et al. (2015) reestimation of Smets and Wouters (2007) with longer time-series
2.15	US_FGKR15	Fernández-Villaverde et al. (2015)
2.16	US_FM95	Fuhrer and Moore (1995)
2.17	US_FMS13	Fève et al. (2013)
2.18	US_FRB03	Federal Reserve Board model linearized as in Levin et al. (2003)
2.19[1]	US_FRB08	linearized by Brayton and Laubach (2008)
	US_FRB08mx	linearized by Brayton and Laubach (2008), (mixed expectations)
2.20	US_FU19	Fratto and Uhlig
2.21	US_FV10	Fernández-Villaverde (2010)
2.22	US_FV15	Fernández-Villaverde et al. (2015)
2.23	US_HL16	Hollander and Liu (2016)
2.24	US_IAC05	Iacoviello (2005)
2.25	US_IN10	Iacoviello and Neri (2010)
2.26	US_IR11	Ireland (2011)
2.27	US_IR15	Ireland (2015)
2.28	US_JPT11	Justiniano et al. (2011)
2.29	US_KK14	Kliem and Kriwoluzky (2014)
2.30	US_KS15	Kriwoluzky and Stoltenberg (2014)
2.31	US_LTW17	Leeper et al. (2017)
	US_LTW17gz	Leeper et al. (2017) - different fiscal rule
	US_LTW17nu	Leeper et al. (2017) - no government consumption in utility function
	US_LTW17rot	Leeper et al. (2017) - rule of thumb consumers
2.32	US_LWY13	Leeper et al. (2013)
2.33[1]	US_MI07	Milani (2007)
2.34	US_MR07	Mankiw and Reis (2007)
2.35[1]	US_OR03	Orphanides (2003)

2. ESTIMATED US MODELS (CONTINUED)

2.36	US_OW98	Orphanides and Wieland (1998) equivalent to MSR model in Levin et al. (2003)
2.37[1]	US_PM08	IMF projection model US, Carabenciov et al. (2008)
2.38	US_PM08fl	IMF projection model US (financial linkages),Carabenciov et al. (2008)
2.39	US_PV15	Poutineau and Vermandel (2015b)
2.40	US_RA07	Rabanal (2007)
2.41	US_RE09	Reis (2009)
2.42[1]	US_RS99	Rudebusch and Svensson (1999)
2.43	US_SW07	Smets and Wouters (2007)
2.44	US_VI16bgg	Villa (2016) - with Bernanke et al. (1999) financial accelerator
	US_VI16gk	Villa (2016) - with Gertler and Karadi (2013) financial friction
2.45[1]	US_VMDno	Verona, Martins and Drumond (Verona et al. (2013)) - Normal times
2.46[1]	US_VMDop	Verona, Martins and Drumond (Verona et al. (2013)) - Optimistic times
2.47[1]	US_YR13	Rychalovska (2016)

3. ESTIMATED EURO AREA MODELS (20 MODELS)

3.1	EA_ALSV06	Andrés et al. (2006)
3.2	EA_AWM05	ECB's area-wide model linearized as in Dieppe et al. (2005)
3.3	EA_BE15	Benchimol (2015)
3.4	EA_BF17	Benchimol and Fourçans (2017)
3.5[1]	EA_CKL09	Christoffel et al. (2009)
3.6	EA_CW05ta	Coenen and Wieland (2005), (Taylor-staggered contracts)
	EA_CW05fm	Coenen and Wieland (2005), (Fuhrer-Moore-staggered contracts)
3.7	EA_DKR11	Darracq Paries et al. (2011)
3.8	EA_GE10	Gelain (2010)
3.9	EA_GNSS10	Gerali et al. (2010)
3.10	EA_PV15	Poutineau and Vermandel (2015a)
3.11	EA_PV16	Priftis and Vogel (2016)
3.12	EA_PV17	Priftis and Vogel (2017)
3.13	EA_QR14 [2]	Quint and Rabanal (2014)
3.14	EA_QUEST3	QUEST III Euro Area Model of the DG-ECFIN EU, Ratto et al. (2009)
3.15	EA_SR07	Sveriges Riksbank euro area model of Adolfson et al. (2007)
3.16	EA_SW03	Smets and Wouters (2003)
3.17	EA_SWW14	Smets et al. (2014)
3.18	EA_VI16bgg	Villa (2016) - with Bernanke et al. (1999) financial accelerator
	EA_VI16gk	Villa (2016) - with Gertler and Karadi (2013) financial friction

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[1]	EAUS_NAWMctww	Cogan et al. (2013)

5. ESTIMATED MODELS OF OTHER COUNTRIES (8 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[1]	CA_TOTEM10	Murchison and Rennison (2006), Terms of Trade Economic Model of Canada
5.5	CL_MS07	Medina and Soto (2007), model of the Chilean economy
5.6	FI_AINO16	Kilponen et al. (2016), the AINO II model
5.7[1]	HK_FPP11	Funke et al. (2011), open-economy model of the Hong Kong economy
5.8	HK_FP13	Funke and Paetz (2013), open-economy model of the Hong Kong economy

6. ADAPTIVE LEARNING MODELS (11 MODELS)

6.1[1]	NK_BGG99AL	Adaptive learning version of Bernanke et al. (1999)
6.2[1]	NK_CGG99AL	Adaptive learning version of Clarida et al. (1999)
6.3[1]	NK_CGG02AL	Adaptive learning version of Clarida et al. (2002)
6.4[1]	NK_IR04AL	Adaptive learning version of Ireland (2004)
6.5[1]	NK_LWW03AL	Adaptive learning version of Levin et al. (2003)
6.6[1]	NK_RW97AL	Adaptive learning version of Rotemberg and Woodford (1997)
6.7[1]	NK_RW06AL	Adaptive learning version of Ravenna and Walsh (2006)
6.8[1]	US_FM95AL	Adaptive learning version of Fuhrer and Moore (1995)
6.9[1]	US_MI07AL	Milani (2007)
6.10[1]	US_SW07AL	Slobodyan and Wouters (2012)
6.11[1]	US_YR13AL	Rychalovska (2016)

[1] 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_MI07, US_PM08, US_OR03, US_RS99, US_VMDno, US_VMDop, US_YR13, EA_CKL09, EAUS_NAWMctww, HL_FPP11, NK_BGG99AL, NK_CGG99AL, NK_CGG02AL, NK_IR04AL, NK_LWW03AL, NK_RW97AL, NK_RW06AL, US_FM96AL, US_MI07AL, US_SW07AL, and US_YR13AL.

[2] Solving this model requires the MATLAB Optimization Toolbox.

[3] Solving these models requires the Statistics Toolbox for MATLAB or the statistics and io package for Octave, respectively.

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