A list of available models

A List of Models Available in the Macroeconomic Model Data Base (version 3.3, 161 models*)

* There are in total 161 models available, including all model variations such as adaptive learning versions, extended models or re-estimated models.

1. CALIBRATED MODELS (45 MODELS)

1.1	NK_AFL15[2]	Angeloni et al. (2015)
1.2	NK_BGEU10	Blanchard and Galí (2010) Calibrated for the European labor market
	NK_BGUS10	Blanchard and Galí (2010) Calibrated for the U.S. labor market
1.3	NK_BGG99	Bernanke et al. (1999)
1.4	NK_CDK24	Chan et al. (2024)
1.5	NK_CFP10	Carlstrom et al. (2010)
1.6[1]	NK_CGG99	Clarida et al. (1999)
1.7[1]	NK_CGG02	Clarida et al. (2002)
1.8[1]	NK_CK08	Christoffel and Kuester (2008)
1.9[1]	NK_CKL09	Christoffel et al. (2009)
1.10	NK_CW09	Curdia and Woodford (2009)
1.11	NK_DEFK17	Del Negro et al. (2017)
1.12	NK_DT12	De Fiore and Tristani (2013)
1.13	NK_ET14	Ellison and Tischbirek (2014)
1.14	NK_FLMF18	Filardo et al. (2018)
1.15	NK_FNL23	Ferrari and Nispi Landi (2023)
1.16	NK_GHP16	Gnocci et al. (2016)
1.17	NK_GK11	Gertler and Karadi (2011)
	NK_GK09lin	linear model based on the working paper of Gertler and Karadi (2011)
1.18	NK_GK13	Gertler and Karadi (2013)
1.19	NK_GLSV07	Galí et al. (2007)
1.20	NK_GM05	Galí and Monacelli (2005)
1.21	NK_GM07	Goodfriend and McCallum (2007)
1.22	NK_GM16	Galí and Monacelli (2016)
1.23	NK_GS14	Gambacorta and Signoretti (2014)
1.24	NK_GSSZ17	Gilchrist et al. (2017)
1.25	NK_IR04	Ireland (2004)
1.26	NK_JO15ht	Jang and Okano (2015) - high trading
	NK_JO15lt	Jang and Okano (2015) - low trading
1.27	NK_KM16	Krause and Moyen (2016)
1.28	NK_KRS12	Kannan et al. (2012)
1.29	NK_KW16	Kirchner and van Wijnbergen (2016)
1.30[1]	NK_LWW03	Levin et al. (2003)
1.31[1]	NK_MCN99cr	McCallum and Nelson (1999), (Calvo-Rotemberg model)
1.32	NK_MI14	Michaillat (2014)
1.33	NK_MM10	Meh and Moran (2010)
1.34	NK_MPT10	Monacelli et al. (2010)
1.35	NK_NS14	Nakamura and Steinsson (2014)
1.36	NK_PP17	Paoli and Paustian (2017)
1.37	NK_PSV16	Pancrazi et al. (2016)
1.38	NK_RA16	Rannenberg (2016)
1.39[1]	NK_RW06	Ravenna and Walsh (2006)
1.40[1]	NK_RW97	Rotemberg and Woodford (1997)
1.41	NK_ST13	Stracca (2013)
1.42	RBC_DTT11	De Fiore et al. (2011)

2. ESTIMATED US MODELS (66 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)
2.2	US_AJ16	Ajello (2016)
2.3	US_BB18	Balke and Brown (2018)
2.4	US_BKM12	Bils et al. (2012)
2.5	US_CCF12	Chen et al. (2012)
2.6	US_CCTW10	Smets and Wouters (2007) model with rule-of-thumb consumers, estimated by Cogan et al. (2010)
2.7	US_CD08	Christensen and Dib (2008)
2.8	US_CET15	Christiano et al. (2015)
2.9	US_CFOP14	Carlstrom et al. (2014)
2.10	US_CFP17exo	Carlstrom et al. (2017) - exogenous level of long-term debt
	US_CFP17endo	Carlstrom et al. (2017) - endogenous level of long-term debt
2.11	US_CMR10	Christiano et al. (2010)
	US_CMR10fa	Christiano et al. (2010) - small version with financial accelerator
2.12	US_CMR14 [3]	Christiano et al. (2014)
	US_CMR14noFA [3]	Christiano et al. (2014)-Version without financial frictions
2.13	US_CPS10	Cogley et al. (2010)
2.14	US_DG08	De Graeve (2008)
2.15	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
2.16	US_FGKR15	Fernández-Villaverde et al. (2015)
2.17	US_FM95	Fuhrer and Moore (1995)
2.18	US_FMS13	Fève et al. (2013)
2.19	US_FRB03	Federal Reserve Board model linearized as in Levin et al. (2003)
2.20[1]	US_FRB08	linearized by Brayton and Laubach (2008)
	US_FRB08mx	linearized by Brayton and Laubach (2008), (mixed expectations)
2.21	US_FRB22_mceall	Brayton and Reifschneider (2022): all expectations are model consistent
	US_FRB22_mcapwp	Brayton and Reifschneider (2022): financial market, wage and price expectations are model consistent, other expectations are based on a small VAR
	US_FRB22_mcap	Brayton and Reifschneider (2022): financial market expectations are model consistent, other expectations are based on a small VAR
	US_FRB22_var	Brayton and Reifschneider (2022): all expectations are based on VAR predictions
2.22	US_FU19	Fratto and Uhlig
2.23	US_FV10	Fernández-Villaverde (2010)
2.24	US_FV15	Fernández-Villaverde et al. (2015)
2.25	US_HL16	Hollander and Liu (2016)
2.26	US_IAC05	Iacoviello (2005)
2.27	US_IN10	Iacoviello and Neri (2010)
2.28	US_IR11	Ireland (2011)
2.29	US_IR15	Ireland (2015)

2. ESTIMATED US MODELS (CONTINUED)

2.30	US_JPT11	Justiniano et al. (2011)
2.31	US_KK14	Kliem and Kriwoluzky (2014)
2.32	US_KS15	Kriwoluzky and Stoltenberg (2014)
2.33	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
2.34	US_LWY13	Leeper et al. (2013)
2.35[1]	US_MI07	Milani (2007)
2.36	US_MR07	Mankiw and Reis (2007)
2.37[1]	US_OR03	Orphanides (2003)
2.38	US_OW98	Orphanides and Wieland (1998) equivalent to MSR model in Levin et al. (2003)
2.39[1]	US_PM08	IMF projection model US, Carabenciov et al. (2008)
2.40	US_PM08fl	IMF projection model US (financial linkages),Carabenciov et al. (2008)
2.41	US_PV15	Poutineau and Vermandel (2015b)
2.42	US_RA07	Rabanal (2007)
2.43	US_RE09	Reis (2009)
2.44[1]	US_RS99	Rudebusch and Svensson (1999)
2.45	US_SW07	Smets and Wouters (2007)
2.46	US_VI16bgg	Villa (2016) - with Bernanke et al. (1999) financial accelerator
	US_VI16gk	Villa (2016) - with Gertler and Karadi (2013) financial friction
2.47[1]	US_VMDno	Verona, Martins and Drumond (Verona et al. (2013)) - Normal times
2.48[1]	US_VMDop	Verona, Martins and Drumond (Verona et al. (2013)) - Optimistic times
2.49[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 [3]	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 (10 MODELS)

4.1	DEREA_GEAR16	Gadatsch et al. (2016) model of Germany, EMU, and RoW
4.2	ESREA_FIMOD12	Stähler and Thomas (2012) model of Spain and EMU
4.3	G2_SIGMA08	The Federal Reserve's SIGMA model from Erceg et al. (2008) calibrated to the U.S. economy and a symmetric twin.
4.4	G3_CW03	Coenen and Wieland (2002) model of USA, Euro Area and Japan
4.5	G7_TAY93	Taylor (1993) model of G7 economies
4.6	GPM6_IMF13	IMF global projection model with 6 regions Carabenciov et al. (2013)
4.7	EACZ_GEM03	Laxton and Pesenti (2003) model calibrated to Euro Area and Czech republic
4.8	EAES_RA09	Rabanal (2009)
4.9	EAUS_NAWM08	Coenen et al. (2008), New Area Wide model of Euro Area and USA
4.10[1]	EAUS_NAWMctww	Cogan et al. (2013)

5. ESTIMATED MODELS OF OTHER COUNTRIES (9 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
5.9	UK_SM11	Millard (2011), open-economy model of the United Kingdom with energy

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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