A list of available models

A List of Models Available in the Macroeconomic Model Database
-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\textsuperscript{1} Angeloni et al. (2015)
1.2 NK_BGEU10 Blanchard and Gali (2010) Calibrated for the European labor market
1.3 NK_BGS10 Blanchard and Gali (2010) Calibrated for the U.S. labor market
1.4 NK_CFP10 Carlstrom et al. (2010)
1.5\textsuperscript{1} NK_CGG99 Clarida et al. (1999)
1.6\textsuperscript{1} NK_CGG02 Clarida et al. (2002)
1.7\textsuperscript{1} NK_CK08 Christoffel and Kuester (2008)
1.8\textsuperscript{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)
1.16 NK_GK13 Gertler and Karadi (2013)
1.17 NK_GLSV07 Gali et al. (2007)
1.18 NK_GM05 Gali and Monacelli (2005)
1.19 NK_GM07 Goodfriend and McCallum (2007)
1.20 NK_GM16 Gali 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
1.25 NK_JO15lt Jang and Okano (2015) - low trading
1.26 NK_KM16 Krause and Moyen (2016)
1.27 NK_KRS12 Kannan et al. (2012)
1.28\textsuperscript{1} NK_LWW03 Levin et al. (2003)
1.29\textsuperscript{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\textsuperscript{1} NK_RW06 Ravenna and Walsh (2006)
1.38\textsuperscript{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)
2.1 US_ACELswm no cost channel as in Taylor and Wieland (2011) (mon. pol. shock)
2.1 US_ACELswt no cost channel as in Taylor and Wieland (2011) (tech. shocks)
2.1 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)
2.6 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 Christiano et al. (2014)
US_CMR14noFA Christiano et al. (2014) - Version without financial frictions
2.12 US_CPS10 Cogley et al. (2010)
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
2.15 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 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_IPT11 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 US_MI07 Milani (2007)
2.34 US_MR07 Mankiw and Reis (2007)
2.35 US_OR03 Orphanides (2003)
## 2. Estimated US Models (continued)

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<td>2.39</td>
<td>US_PV15: Poutineau and Vermandel (2015b)</td>
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<td>2.41</td>
<td>US_RE09: Reis (2009)</td>
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<td>2.43</td>
<td>US_SW07: Smets and Wouters (2007)</td>
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<td>2.46</td>
<td>US_VMDno: Verona, Martins and Drumond (Verona et al. 2013) - Normal times</td>
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<td>US_VMDop: Verona, Martins and Drumond (Verona et al. 2013) - Optimistic times</td>
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## 3. Estimated Euro Area Models (20 models)

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<td>3.1</td>
<td>EA_ALSV06: Andrés et al. (2006)</td>
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<td>EA_AWM05: ECB’s area-wide model linearized as in Dieppe et al. (2005)</td>
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<td>EA_BE15: Benchimol (2015)</td>
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<td>3.4</td>
<td>EA_BF17: Benchimol and Fourçans (2017)</td>
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<td>3.5</td>
<td>EA_CKLO9: Christoffel et al. (2009)</td>
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<td>3.6</td>
<td>EA_CW05ta: Coenen and Wieland (2005), (Taylor-staggered contracts)</td>
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<td>3.7</td>
<td>EA_CW05fm: Coenen and Wieland (2005), (Fuhrer-Moore-staggered contracts)</td>
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<td>3.8</td>
<td>EA_DKR11: Darracq Partes et al. (2011)</td>
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<td>EA_GE10: Gelain (2010)</td>
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<td>EA_GNSS10: Gerali et al. (2010)</td>
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<td>3.11</td>
<td>EA_PV15: Poutineau and Vermandel (2015a)</td>
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<td>3.12</td>
<td>EA_PV16: Priftis and Vogel (2016)</td>
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<td>3.13</td>
<td>EA_PV17: Priftis and Vogel (2017)</td>
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<td>3.14</td>
<td>EA_QR14: Quint and Rabanal (2014)</td>
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<td>3.15</td>
<td>EA_QR14_2: QUEST III Euro Area Model of the DG-ECFIN EU, Ratto et al. (2009)</td>
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<td>3.16</td>
<td>EA_SR07: Sveriges Riksbank euro area model of Adolfson et al. (2007)</td>
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<td>3.18</td>
<td>EA_VI16bgg: Villa (2016) - with Bernanke et al. (1999) financial accelerator</td>
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## 4. Estimated/Calibrated Multi-Country Models (8 models)

<table>
<thead>
<tr>
<th>Model</th>
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<tr>
<td>4.1</td>
<td>G2_SIGMA08: The Federal Reserve’s SIGMA model from Erceg et al. (2008) calibrated to the U.S. economy and a symmetric twin.</td>
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<td>4.2</td>
<td>G3_CW03: Coenen and Wieland (2002) model of USA, Euro Area and Japan</td>
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<td>4.3</td>
<td>G7_TAY93: Taylor (1993) model of G7 economies</td>
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<td>4.4</td>
<td>GPM6_IMF13: IMF global projection model with 6 regions, Carabencio et al. (2013)</td>
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<td>4.5</td>
<td>EACZ_GEM03: Laxton and Pesenti (2003) model calibrated to Euro Area and Czech republic</td>
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<td>4.6</td>
<td>EAES_RA09: Rabanal (2009)</td>
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<td>4.7</td>
<td>EAUS_NAWM08: Coenen et al. (2008), New Area Wide model of Euro Area and USA</td>
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<td>4.8</td>
<td>EAUS_NAWMctww: Cogan et al. (2013)</td>
</tr>
</tbody>
</table>
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 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 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 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)
6.9 US_MI07AL Milan (2007)
6.10 US_SW07AL Slobodyan and Wouters (2012)
6.11 US_YR13AL Rychalska (2016)

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_VM Dop, 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.

Solving this model requires the MATLAB Optimization Toolbox.

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


Brayton, F., Laubach, T., 2008. Documentation of linearized FRB/US. This is a note to switch of the warning.


