

# Matlab codes\*

Jean Imbs<sup>†</sup>

Eric Jondeau<sup>‡</sup>

Florian Pelgrin<sup>§</sup>

May 2, 2011

---

\*Jean Imbs, Eric Jondeau, and Florian Pelgrin, "Sectoral Phillips Curves and the Aggregate Phillips Curve".

<sup>†</sup>(Corresponding author) Paris School of Economics and CEPR. Postal address: Paris School of Economics, 106 Boulevard de l'Hopital, 75013 Paris, France. Email: Jean.Imbs@parisschoolofeconomics.eu

<sup>‡</sup>Faculty of Business and Economics, University of Lausanne, and Swiss Finance Institute. Postal address: University of Lausanne, CH-1015 Lausanne, Switzerland. Email: Eric.Jondeau@unil.ch

<sup>§</sup>Faculty of Business and Economics, University of Lausanne and CIRANO. Postal address: University of Lausanne, CH-1015 Lausanne, Switzerland. Email: Florian.Pelgrin@unil.ch

The Matlab codes are organized as follows.

- The folder "data" contains two files—Database2.xls and database\_Imbs\_Jondeau\_Pelgrin.xls. The former is used in the procedure GetData.m (folder "main\_programs").
- The folder "main\_programs" contains the programs to reproduce Tables 2, 3, and 5.
  - *Table\_Sectoral\_estimates\_ML.m* generates the sectoral estimates using ML estimation (see Table 2).
  - *Table\_SURE\_estimation.m* generates the sectoral estimates as well as the aggregate estimates using SURE estimation (see Tables 3 and 5).
  - *Table\_Aggregate\_Estimates.m* generate the aggregate estimates using ML estimation (see Table 5).
  - *Table\_RCM.m* generate the random coefficient estimates using Pesaran's technique (see Technical appendix).

It is worth noting that Matlab codes for GMM estimates, MG estimates, random coefficient estimates are also available upon request.

- The folder "subroutines" contains Matlab procedures that are called in the main programs.
- Matlab codes for the simulation part (Section 3) are available upon request.