

EU KLEMS Growth and Productivity Accounts

2017 Release, Statistical Module¹

Country notes for Spain

Prepared by
Kirsten Jäger
(The Conference Board)

31 July 2017

Data extracted from Eurostat: 3 July 2017

Synopsis of the main points

- Official output and labour data in NACE 2 from Eurostat are released for 1995-2015.
- Official capital data in NACE 2 from BBVA and IVIE² are released for 1970-2015.
- Gross output and intermediate input prices are neither available from Eurostat nor the OECD STAN database.
- New LFS and SES data for the years 2008-2015 are taken into account to compute labour services. The growth rate of labour services from the EU KLEMS 2012 release is used for the period prior to 2009.
- Growth accounts are released for 1996-2015.

¹ This release of the EU KLEMS database is funded by the European Commission, Directorate General Economic and Financial Affairs under the service contract ECFIN-163-2015/SI2.716986. Any errors or omissions are entirely the responsibility of the Conference Board. I am grateful to my Conference Board colleagues, Abdul Azeez Erumban, Oliver Henrich, Frank Steemers, Klaas de Vries, and Bart van Ark for their support at various stages in the process. I also thanks Antonio F. Amores, Bernd Görzig, Chantal Kegels, Martin Gornig, and Laurence Nayman for their advice. A number of systematic cross checks on preliminary versions of the database have been performed by Matilde Mas and Reitze Gouma. Our special gratitude goes to Reitze Gouma and Marcel P. Timmer for their support to transfer EU KLEMS to The Conference Board and to Ana Rincon-Aznar and Mary O'Mahony for the provision of data from the EU Labour Force Surveys. For comments and suggestions please send an email to euklems@tcb.org.

² **Source:** Fundación BBVA (Banco Bilbao Vizcaya Argentaria) e Ivie (Instituto Valenciano de Investigaciones Económicas). El stock y los servicios del capital en España y su distribución territorial y sectorial (1964-2015). Enero de 2017. Base de datos disponible en Internet: http://www.fbbva.es/TLFU/microsites/stock09/fbbva_stock08_index.html

Table 5 summarizes the general coverage of the main variables in the 2017 release. Possible scattered gaps in industries or years are not shown in this table.

Table 5: Coverage of main variables in the output file and the capital file

| Variable | Period |
|----------------------------|-----------|
| LAB_QI | 1995-2015 |
| VA, VA_QI, VA_P | 1995-2015 |
| GO, II | 1995-2015 |
| GO_P, II_P | NA |
| COMP | 1995-2015 |
| LAB, CAP | 1995-2015 |
| EMP, EMPE | 1995-2015 |
| H_EMP, H_EMPE | 1995-2015 |
| I_, Ip_, Iq_ | 1970-2015 |
| K_, Kq_ | 1970-2015 |
| Growth accounts VA/LP1/LP2 | 1996-2015 |

Output and labour

Value added, intermediate input, gross output, compensation of employees, number of persons engaged, number of employees, hours worked (H_EMP and H_EMPE), labour compensation, capital compensation have a few gaps towards the end of the sample period. We added subindustries of ‘total manufacturing’ (C), ‘wholesale and retail trade; repair of motor vehicles and motorcycles’ (G), ‘transportation and storage’ (H), and ‘information and communication’ (J) in 2015 by applying division shares of the two preceding years of the affected subindustries in their parent industry. Growth rates of prices from the parent industries are applied on child industry prices in case they are missing in 2015. Volumes are added based on estimated nominals and price deflators. Estimates are color-coded in the output file.

Capital

All Spanish capital variables are supplied to us by IVIE³. The subindustries of wholesale and retail trade; repair of motor vehicles and motorcycles (G) and transportation and storage (H) are not available for the whole period under consideration. In addition, the industries arts, entertainment and recreation (R), other service activities (S), activities of households as employers; undifferentiated goods- and services-producing activities of households for own use (T), and activities of extraterritorial organizations and bodies (S) are only released as part of the aggregate R-S.

³ Instituto Valenciano de Investigaciones Económicas