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**Article:** Euro area growth signals from industrial production: warnings from a comparison of gross value added and production

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- The PMI composite output for the euro area is from IHS Markit and not publicly available, see [www.ihsmarkit.com](http://www.ihsmarkit.com).


- All calculations are performed in Excel, except the OLS regressions underlying Figure 1 and Table 1, which are from E-Views, the X-12 ARIMA seasonal adjustments for Figure 6 which are based on estimation run in JDemetra+ and the estimation of value added corrected for NACE Rev.2 activity “E”, which is done in FAME.

- More details, including the data, are provided in the Excel-file “DATA_Euro area growth signals from industrial production_warnings from a comparison of gross value added and production.xls”.

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