



European Union Relationship & Industrial Strategy

Weekly
BREXIT WATCH
Week 41
October 2017

Brexit Watch - Week 41

The weekly Brexit Watch report monitors the short-term UK macro economic indicators to assess the impact of the referendum vote and the subsequent triggering of Article 50 on UK economy. The report also monitors indicators in 4 manufacturing industries, namely, Electrical (SIC 27), Electronic (SIC 26), Mechanical (SIC 28) and Fabricated Metals (SIC 25).

The emphasis of this report is to monitor what has happened as opposed to what will happen. All the data with exception to exchange rates and OECD Composite indicator come from the Office for National Statistics (ONS).

To make it easy to differentiate between trends before and after the referendum vote, each chart has a vertical purple line which marks 23rd of June 2016, the date of the referendum.

The main points at the end of week 41 in 2017 are as follows:

- ★ The month-to-date average of **Sterling** with **US Dollar** in week 41 fell by 0.9% against September 2017 average, but was up by 7.0% compared with twelve months earlier.
- **Input prices** increased by 7.6% in August 2017 compared to a year earlier.
- **Consumer price index** grew by 2.9% in the twelve months to August 2017, driven by rising prices for clothing and motor fuels.
- ★ **Index of production** fell by 0.1% between July and August 2017 but grew by 1.6% in the twelve months to August 2016.
- The second estimate of UK **GDP** growth in the second quarter of 2017 was unrevised at 0.3%; equivalent to £486.9 billion and a growth of 1.5% compared to 2016 Q2.
- **Unemployment** rate decreased to 4.3% in the three months to July 2017; the lowest rate since May 1975.
- **Retail sales volume** grew by 2.4% in the twelve months to July 2017.
- **Business investment** for all industries in 2017 Q2 was revised to 2.5% compared to a year earlier.
- ★ **Exports** trade in **value** grew by 9.8% in August 2017 to £50.2 billion compared to twelve months earlier and **imports** also grew by 7.4% to £55.8 billion in the same period.
- ★ The **construction output**, at constant prices, rose by 3.5% to £12.8 billion in August 2017 compared twelve months earlier.
- ★ Combined **turnover** of the four monitored manufacturing industries grew by 1.2% in August 2017 and 6.1% compared to twelve months earlier. In the 12-month to August 2017, turnover of **Electrical** sector grew by 8.4%, both **Electronics** and **Mechanical** grew by 7.3% and **Fabricated Metals** sector grew by 3.5%.

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Glossary

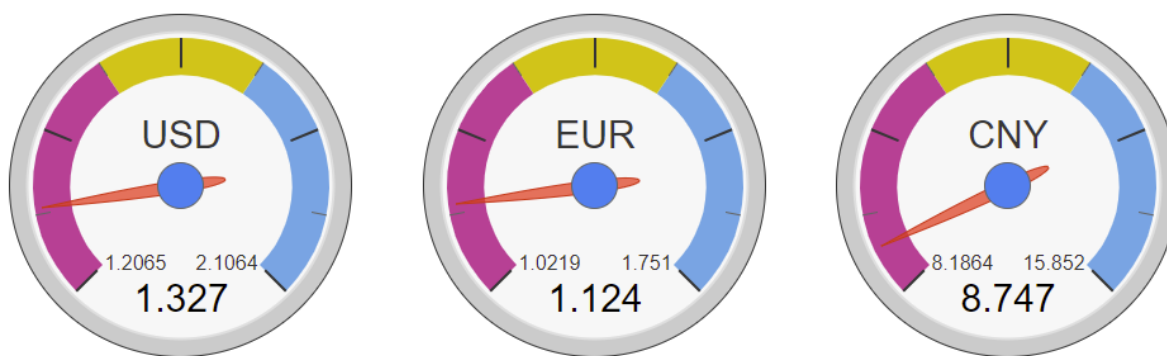
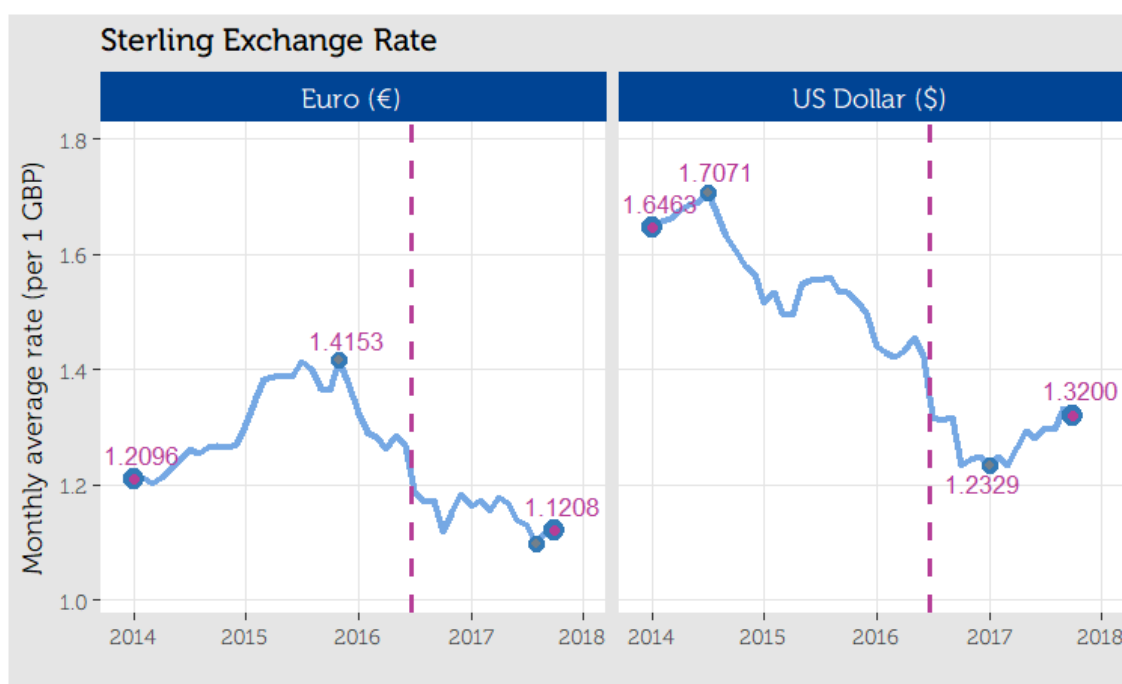
BEAMA	British Electrotechnical & Allied Manufacturers Association	IOP	Index of Production
CESA	Catering Equipment Suppliers Association	IOS	Index of Services
CNY	Chinese Yuan	MAA	Moving Annual Average
CPI	Consumer Price Index	MAT	Moving Annual Total
CPIH	Consumer Prices Index including owner occupiers' housing costs	MTA	The Manufacturing Technologies Association
EAMA	Engineering and Machinery Alliance	NI	Northern Ireland
ECB	European Central Bank	NMI	UK Electronic Systems & Technology Industry
EUR	Euro	OECD	Organisation for Economic Co-operation and Development
G7	Group of seven countries consisting of Canada, France, Germany, Italy, Japan, UK & US	ONS	Office for National Statistics
GAMBICA	Trade Association for Instrumentation, Control, Automation and Laboratory Technology	PPI	Producer Price Index
GDP	Gross Domestic Product	REA	The Renewable Energy Association
HMRC	HM Revenue & Customs	RPI	Retail Price Index
IOM	Index of Manufacturing	SIC	Standard Industry Classification
		SITC	Standard International Trade Classification
		USD	US Dollar
		YOY%	Year on Year or Annual Percentage change

1 Exchange Rates

The month-to-date average of the Sterling exchange rate with **US Dollar** at the end of week 41 of 2017 decreased by 0.9% compared to September 2017 average, but increased by 7.0% compared to twelve months earlier. It is the highest 12-month growth since 2014 August. The USD rate is now 9.2% below May 2016 (pre-brexit vote) level.

The month-to-date average rate for the **Euro** at the end of 2017 week 41 grew by 0.3% compared to September 2017 average and also grew by 0.2% compared to twelve months earlier. The Euro rate is now 12.8% lower compared to May 2016.

At the end of 2017 week 41, the **US Dollar** was trading at \$ 1.3273/GBP, **Euro** at € 1.1238/GBP and the **Chinese Yuan** at ¥8.7470/GBP.

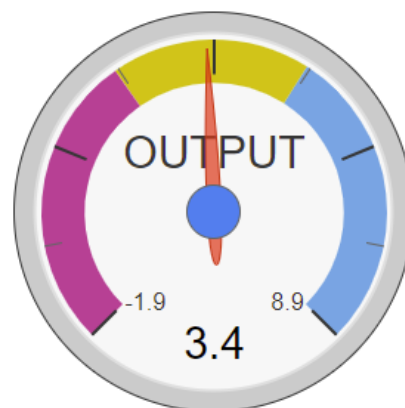
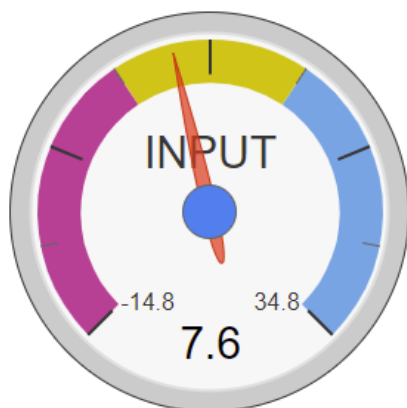
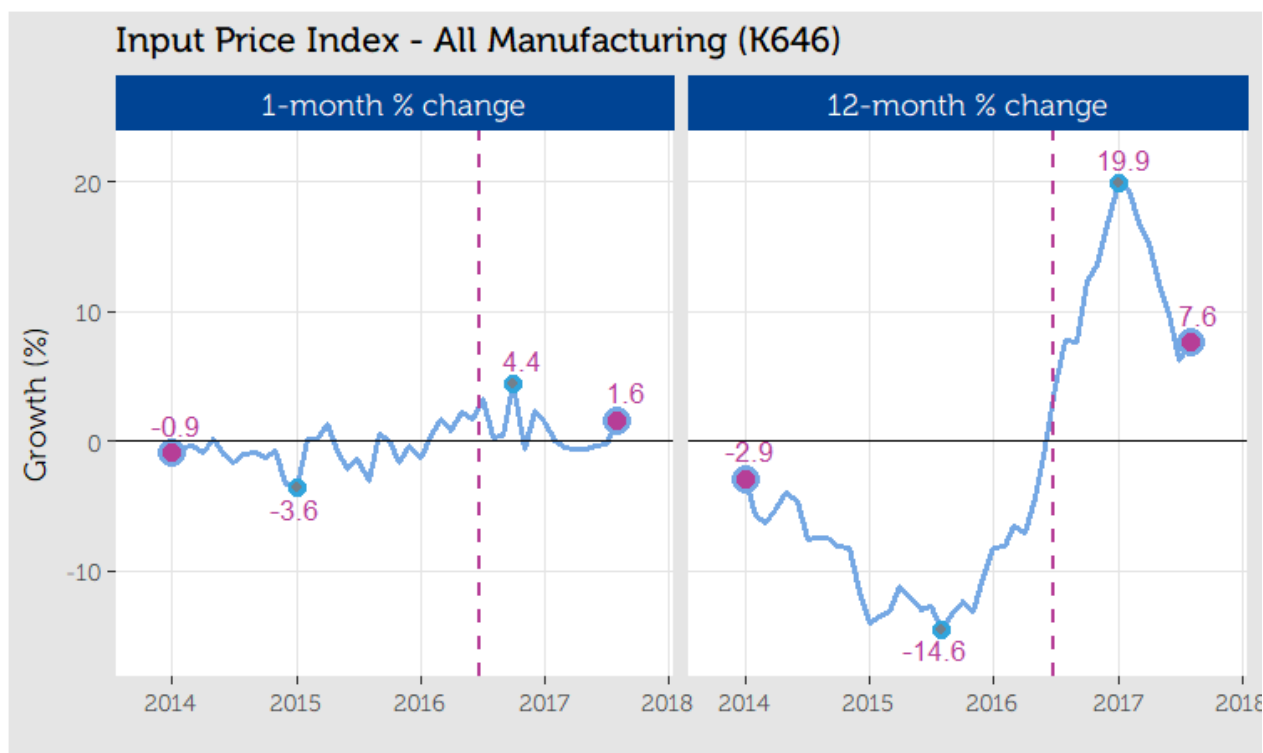


[Gauge charts: Daily exchange rates since January 1999]

2 Producer Prices

The **input price** index for all manufacturing grew by 1.6% between July and August 2017 and also grew by 7.6% compared to August 2016. The main contributors were crude oil and imported metals. It is the 14th successive year on year growth but the highest 1-month growth since December 2016.

Factory gate (Output) prices for all manufacturing rose by 0.4% between July and August 2017 and also by 3.4% compared to August 2016.

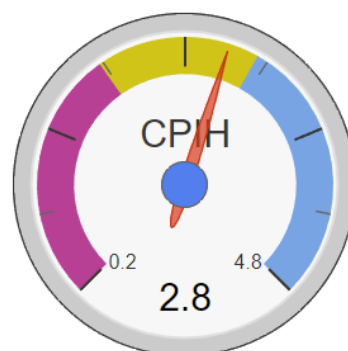
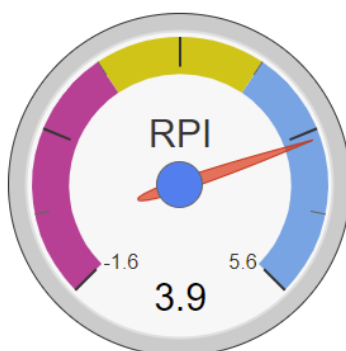
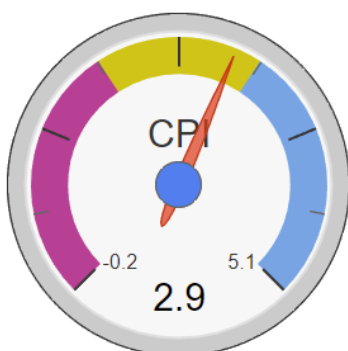
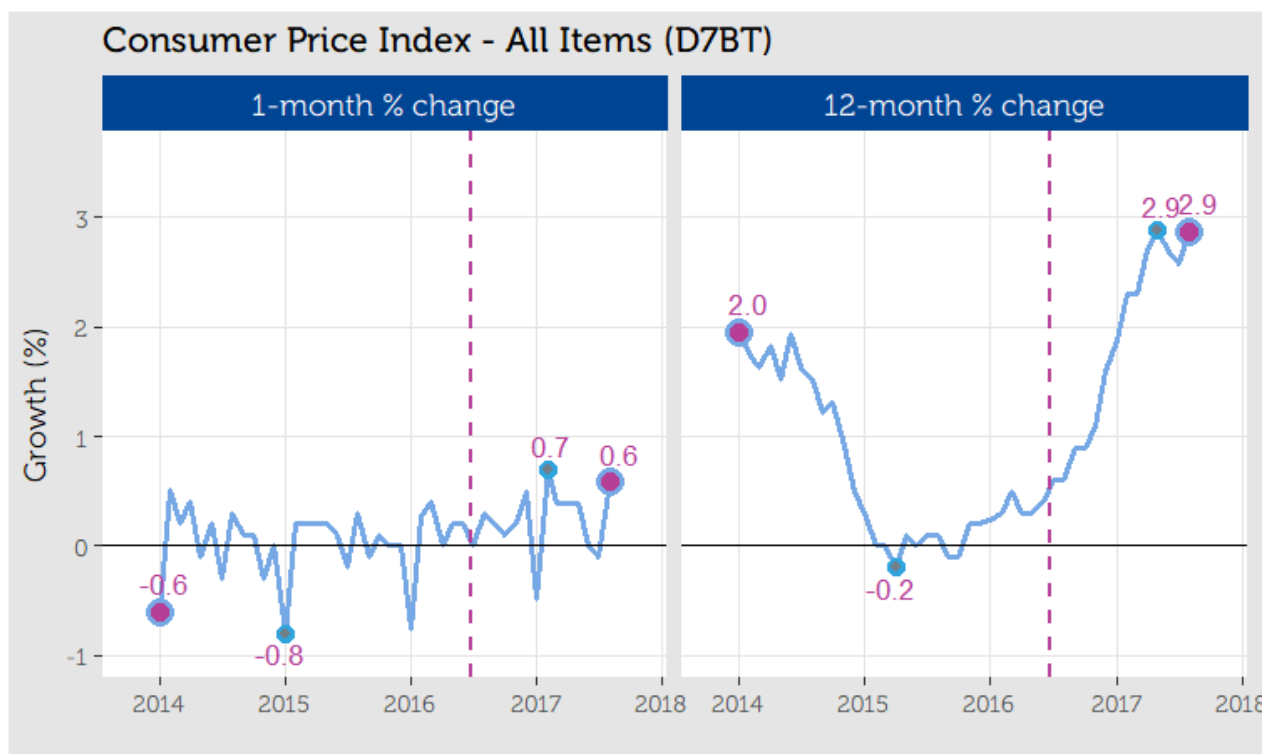


[Gauge Charts: 12-month % change since Jan 2000, INPUT = Input price, OUTPUT=Factory gate prices]

3 Consumer Prices

Consumer price index grew by 0.6% between July and August 2017, and the 12-month growth reached at 2.9%. Rising prices for clothing and motor fuels were the main contributors to the increase in the rate between July and August 2017. It is the 22nd successive year on year growth.

The **retail price index** grew by 0.7% between July and August 2017, and by 3.9% compare to a year earlier. It is the 94th successive year on year growth.



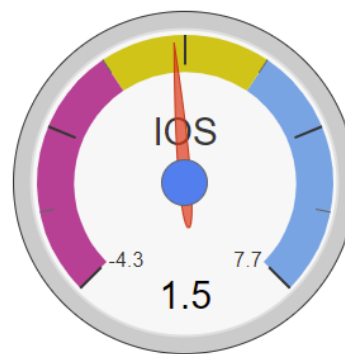
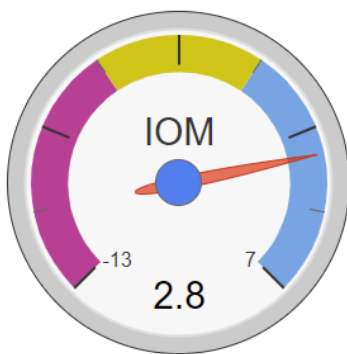
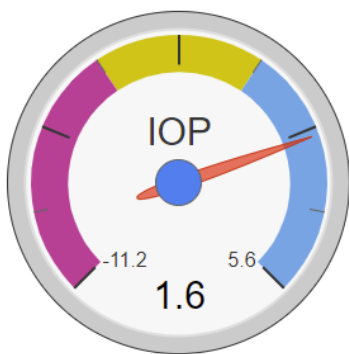
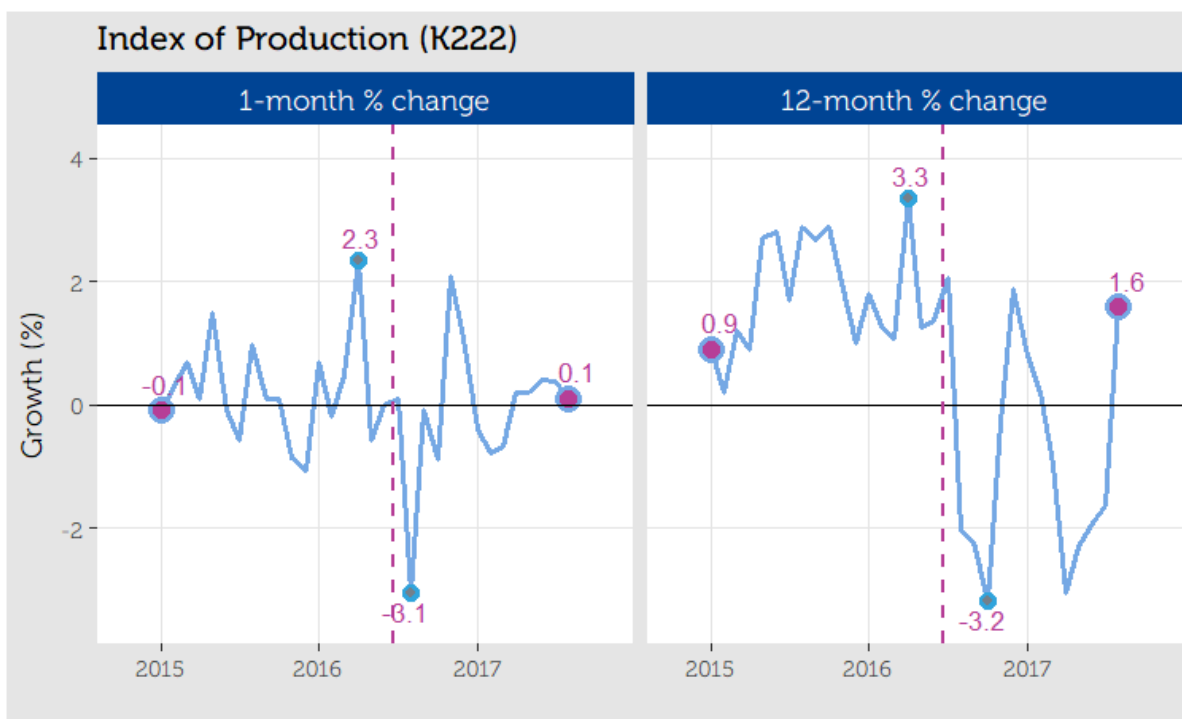
[Gauge Charts: 12-month % change since Jan 2000; CPIH data starts from Jan 2005]

4 Production

Index of production (IOP), the production output at constant prices, grew by 0.1% in August 2017 compared to July 2017 and also grew by 1.6% compared to twelve months earlier. It is the highest 12-month growth since December 2016.

Index of manufacturing (IOM) grew by 0.4% in August 2017 compared with July 2017, the fastest 1-month growth since December 2016. Manufacturing also grew by 2.8% compared to twelve months earlier. It is the highest 12-month growth since November 2014.

Index of services (IOS) fell by 0.3% between June and July 2017 but grew by 1.5% compared to July 2016. It is the 90th consecutive annual growth.

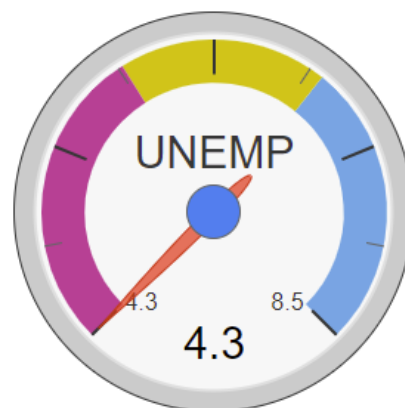
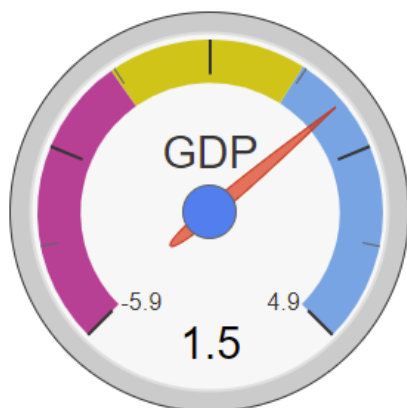
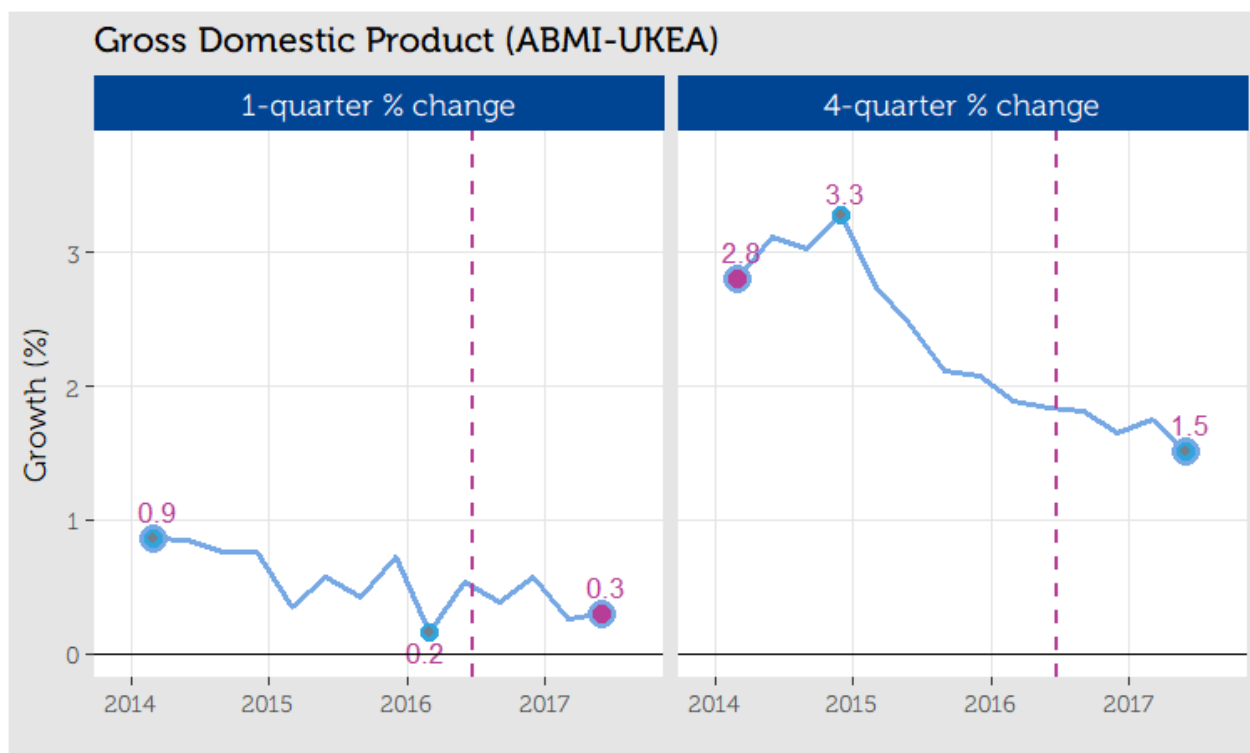


[Guage Charts: 12-month % change since Jan 2000]

5 GDP & Unemployment

The second estimate of UK **gross domestic product** (GDP) growth, for 2017 Q2, was unrevised at 0.3%. The Q2 GDP in value terms was equivalent to £486,914 million and a growth of 1.5% compared to 2016 Q2, down from 1.7% in the preliminary estimate. The service sector grew, but both production and construction sectors declined.

The number of people in work increased by 181,000 in the three months to July 2017 to 32.14 million. **Unemployment** rate dropped to 4.3%, the lowest since May 1975.

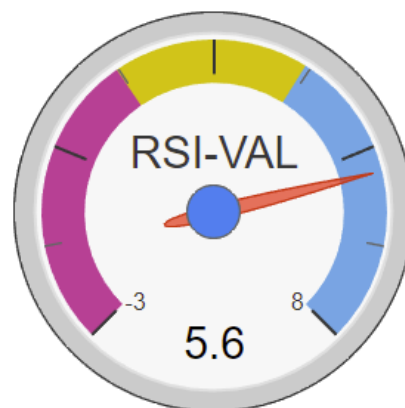
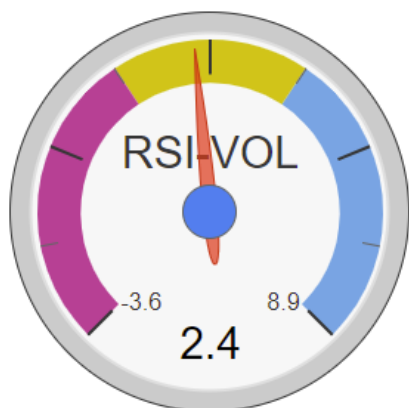
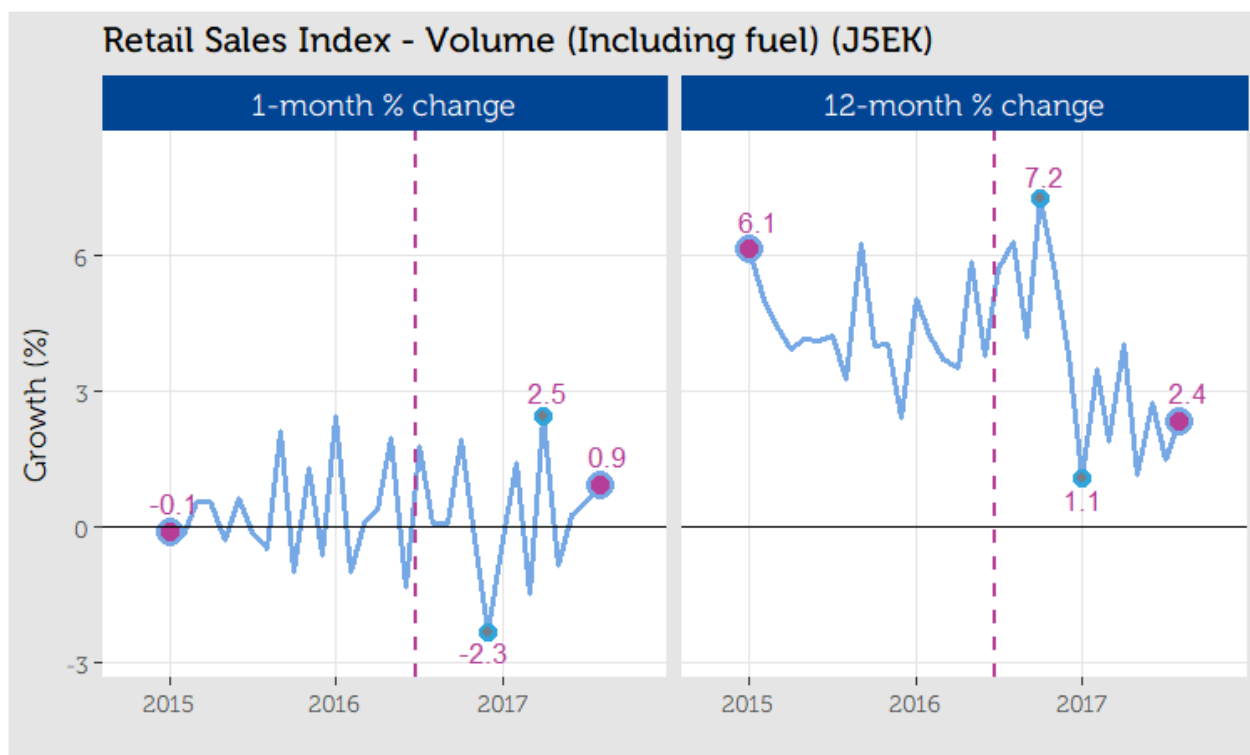


[Guage Charts: GDP = 4-quarter % change since Jan 2000, UEMP = Unemployment rate since 2000]

6 Retail Sales

The **volume of retail sales** (including fuel) grew by 0.9% between July and August 2017, and also grew by 2.4% compared to twelve months earlier. It is the 52nd successive year on year growth.

The **value of retail sales** (including fuel) grew by 1.0% between July and August 2017. Compare to a year earlier, retail sales value grew by 5.6%. It is the 20th successive year on year growth.

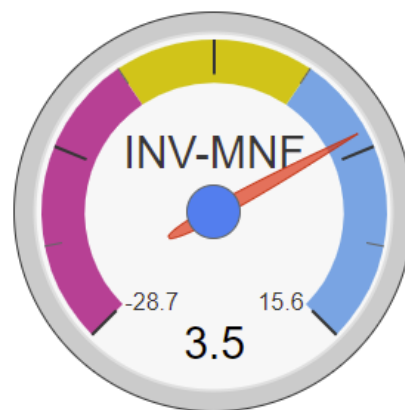
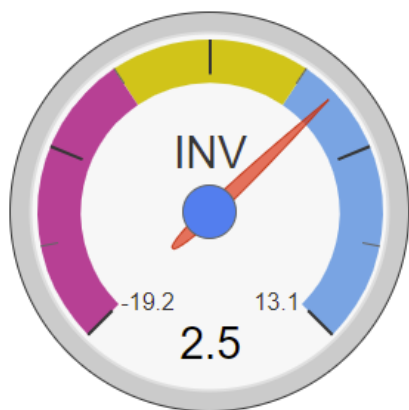
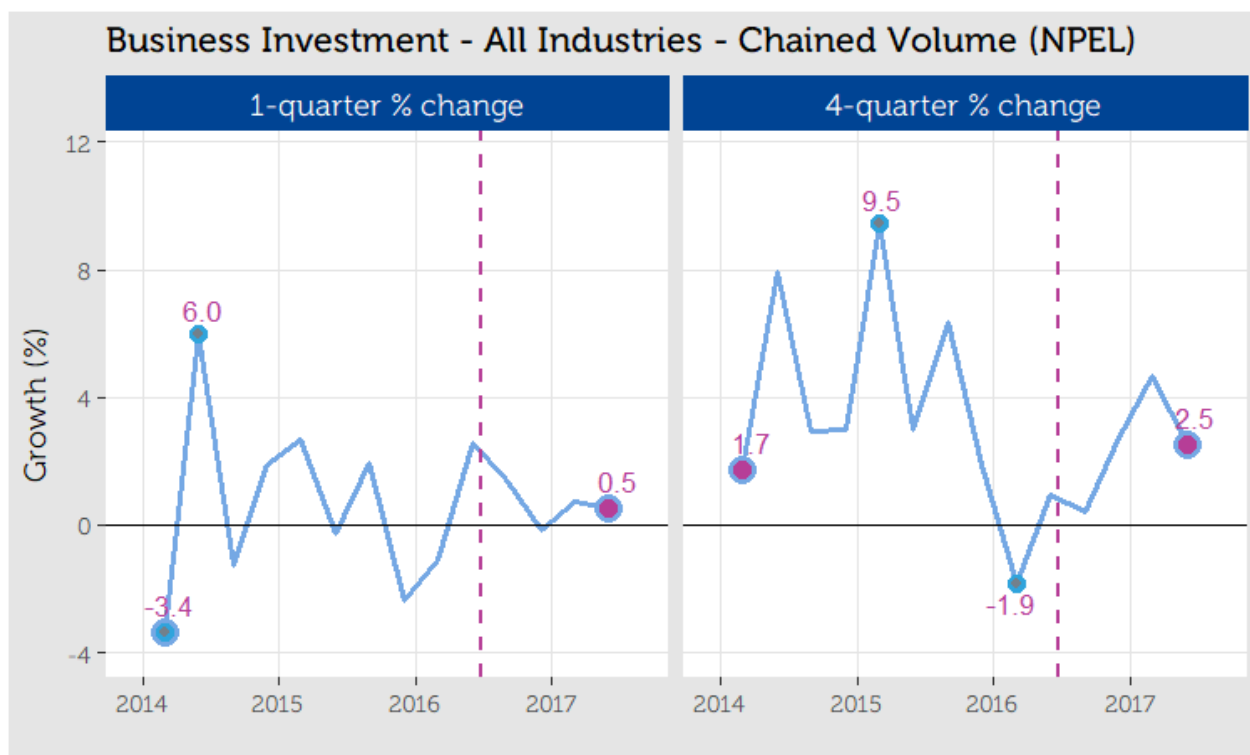


[Guage Charts: 12-month % change since Jan 2000]

7 Business Investment

Business investment for all industries (INV), in volume terms, grew by 0.5% in 2017 Q2, revised up from 0.0% in the preliminary estimate. Compare to a year earlier, business investment also grew by 2.5%.

Investment in **manufacturing industries** (INV-MNF), in volume terms, decreased by 1.8% in 2017 Q2 and also fell by 12.1% compared to 2016 Q2. It is the highest 1-year (or 4-quarter) fall since 2009 Q4 and the 8th successive year on year decline.

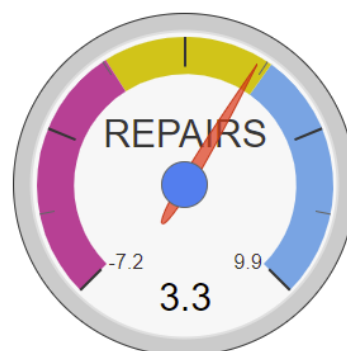
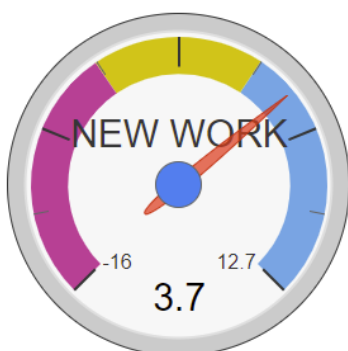
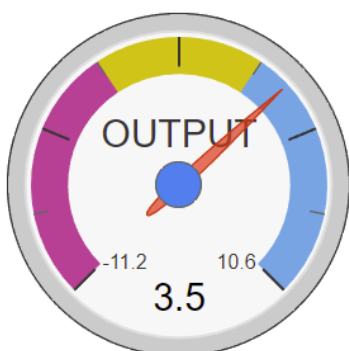
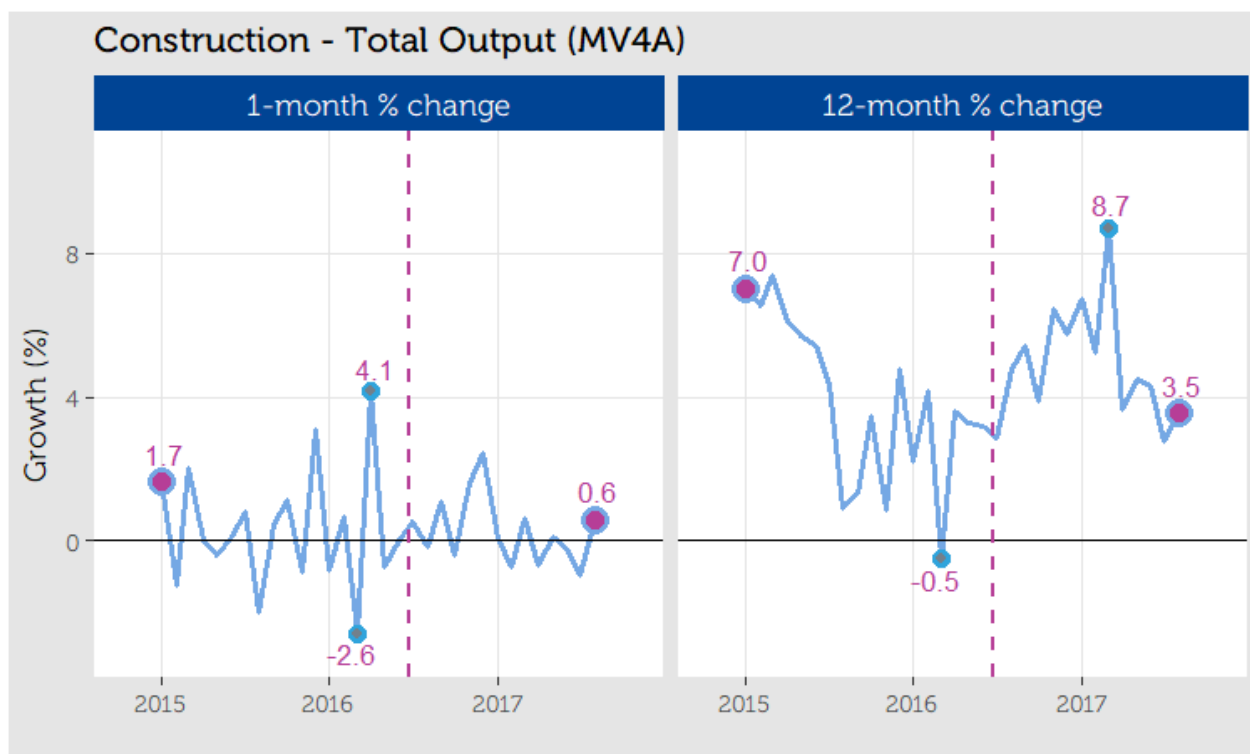


[Gauge Charts: 4-quarter % change since 2007]

8 Construction

Total **construction output**, at constant prices, grew by 0.6% in August 2017 to £12.8 billion, compared to July 2017. Compared to twelve months earlier, output in August 2017 also grew by 3.5%.

New construction work, rose by 1.7% to £8.3 billion in the month of August 2017 but **construction repairs** fell by 1.3% to £4.5 billion in the same period. Compared to twelve months earlier, new construction work in August 2017 rose by 3.7% and repairs also rose by 3.3%.



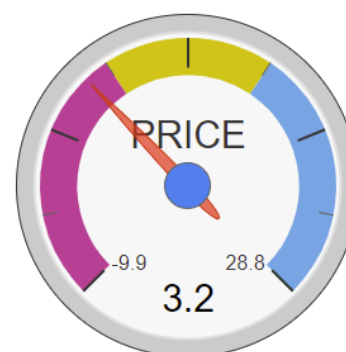
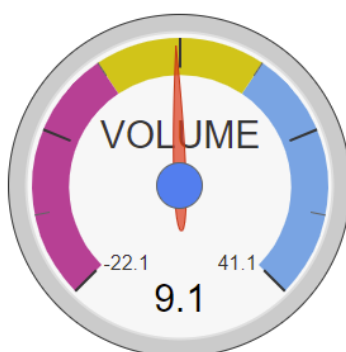
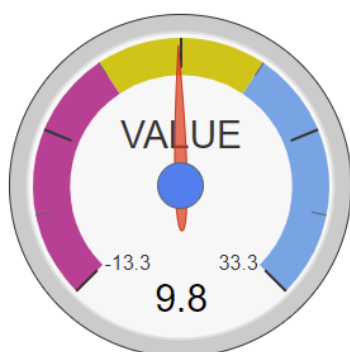
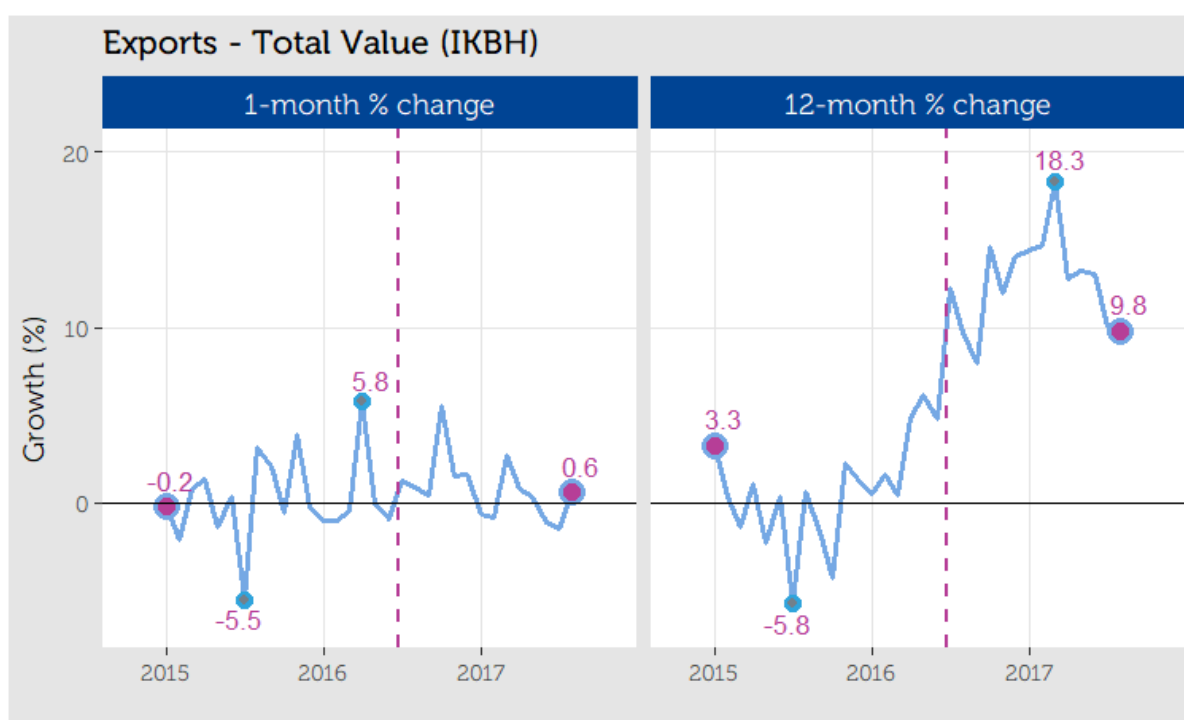
[Gauge Charts: 12-month % change since Jan 2010, OUTPUT = Total Construction Output, NEW WORK = Total Construction New Work, REPAIRS = Total Repairs, Maintenance and Infrastructure]

9 UK Trade

9.1 Exports

The **value** of UK **exports** fell by 0.6% between July and August 2017 and also grew by 9.8% compared to August 2016. Exports of **goods** increased by 12.1% to £ 28.2 billion and exports of **services** increased by 7.0% to £ 22.0 billion in August 2017 compared to twelve months earlier.

Volume of UK **exports** increased by 0.7% in August 2017 compared a month earlier and also increased by 9.1% compared to twelve months earlier.

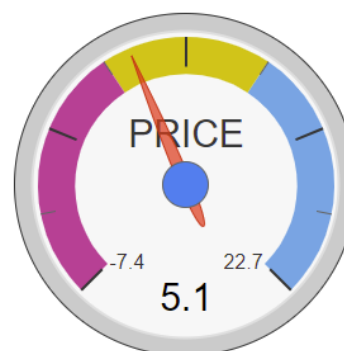
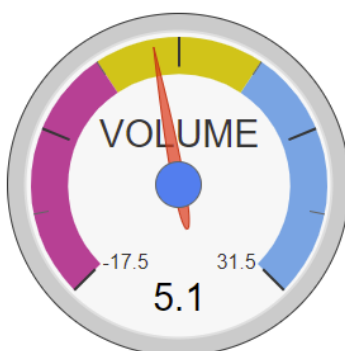
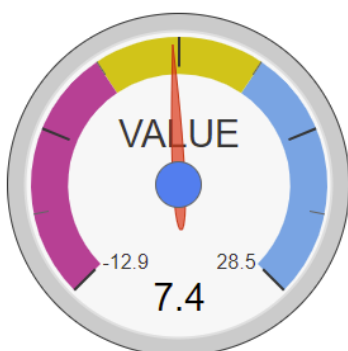
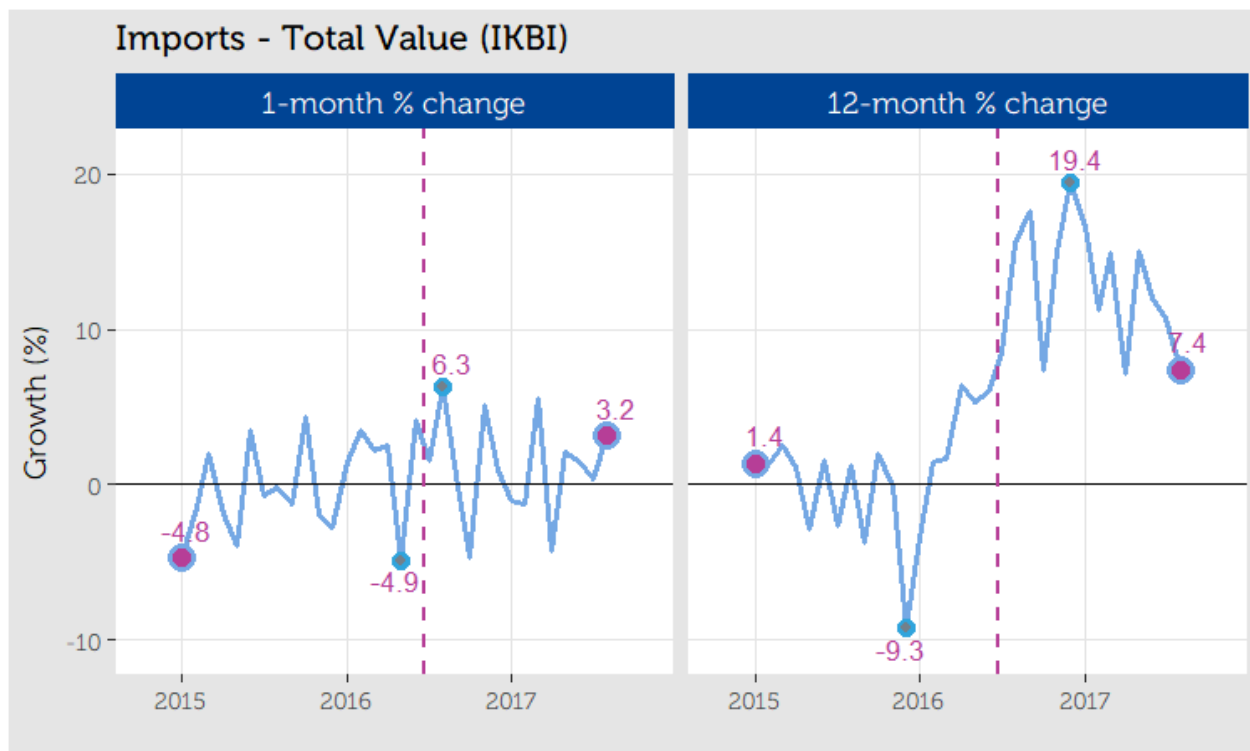


[Gauge Charts: 12-month % change since Jan 2000, VALUE = Total Export Value, VOLUME = Export Volume Index, PRICE = Export Price Index]

9.2 Imports

The **value** of UK **imports** grew by 3.2% between July and August 2017. The value of imports in August 2017 was equivalent to £55.8 billion and a growth of by 7.4% compared twelve months earlier. It is the 19th successive annual growth.

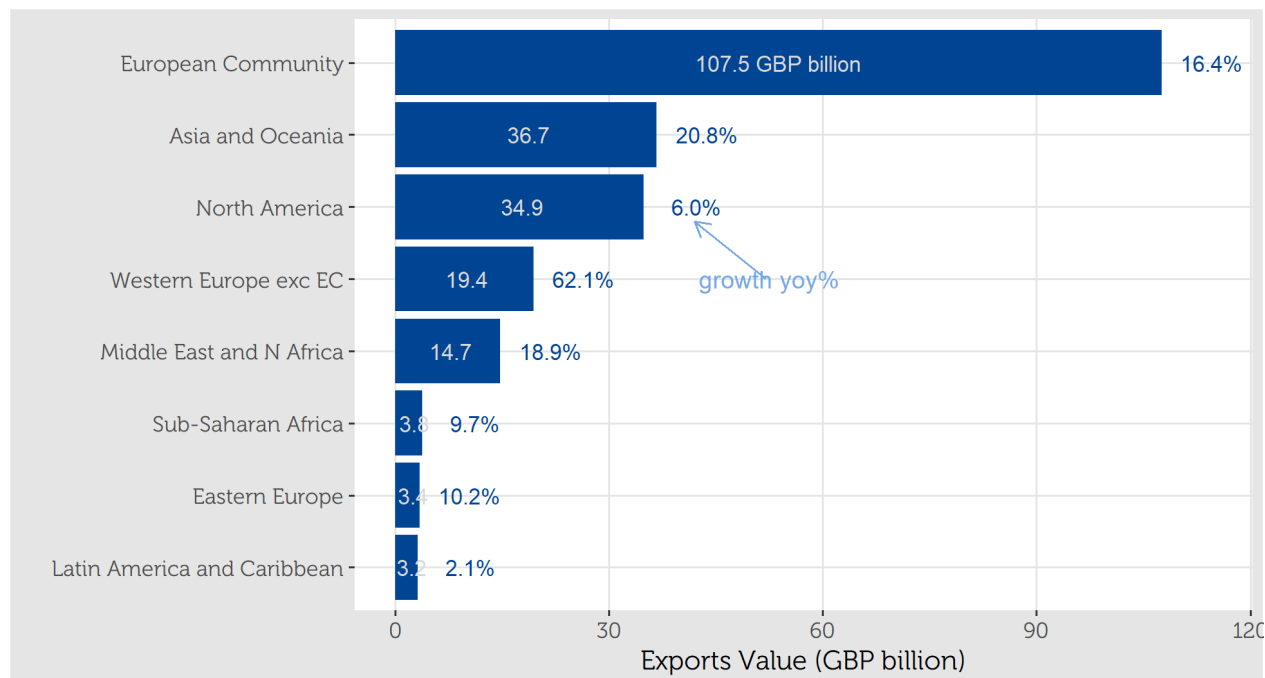
UK **imports** on **volume** basis rose by 4.2% in August compared with July 2017 and also grew by 5.1% compared to twelve months earlier. It is the 4th successive year on year growth.



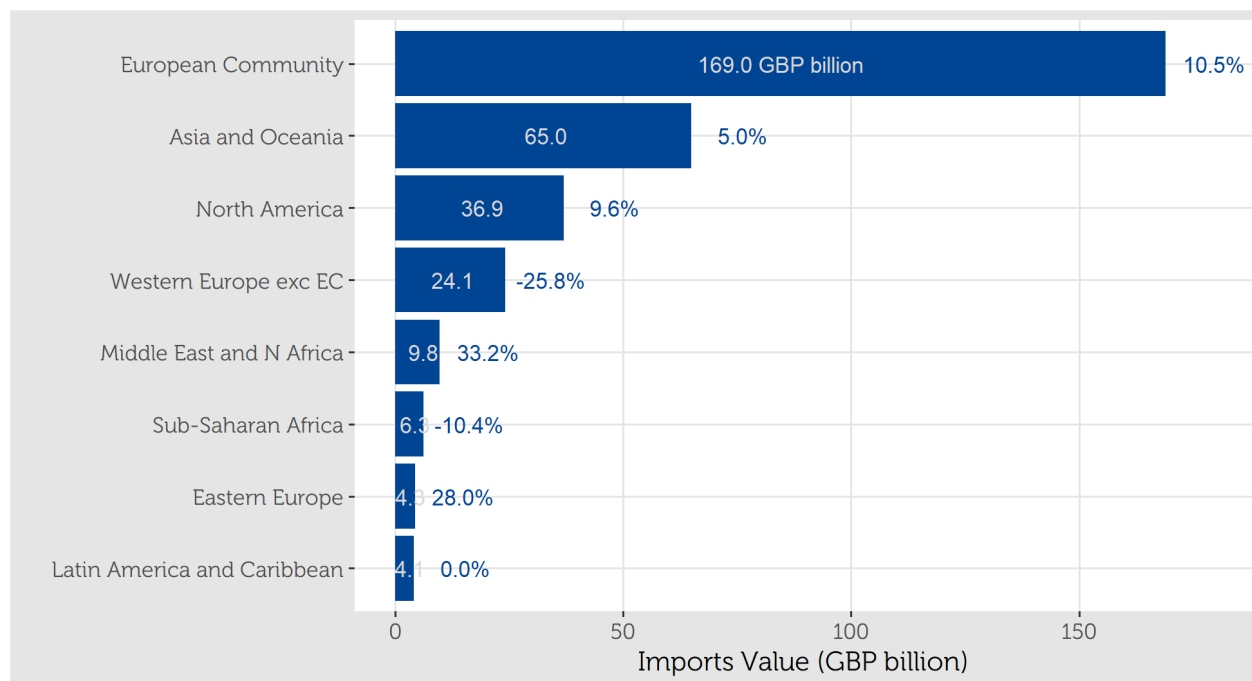
[Gauge Charts: 12-month % change since Jan 2000, VALUE = Total Import Value, VOLUME = Import Volume Index, PRICE = Import Price Index]

9.3 Goods Trade: Ranking by Region

9.3.1 Exports - 2017 (Jan - Aug)

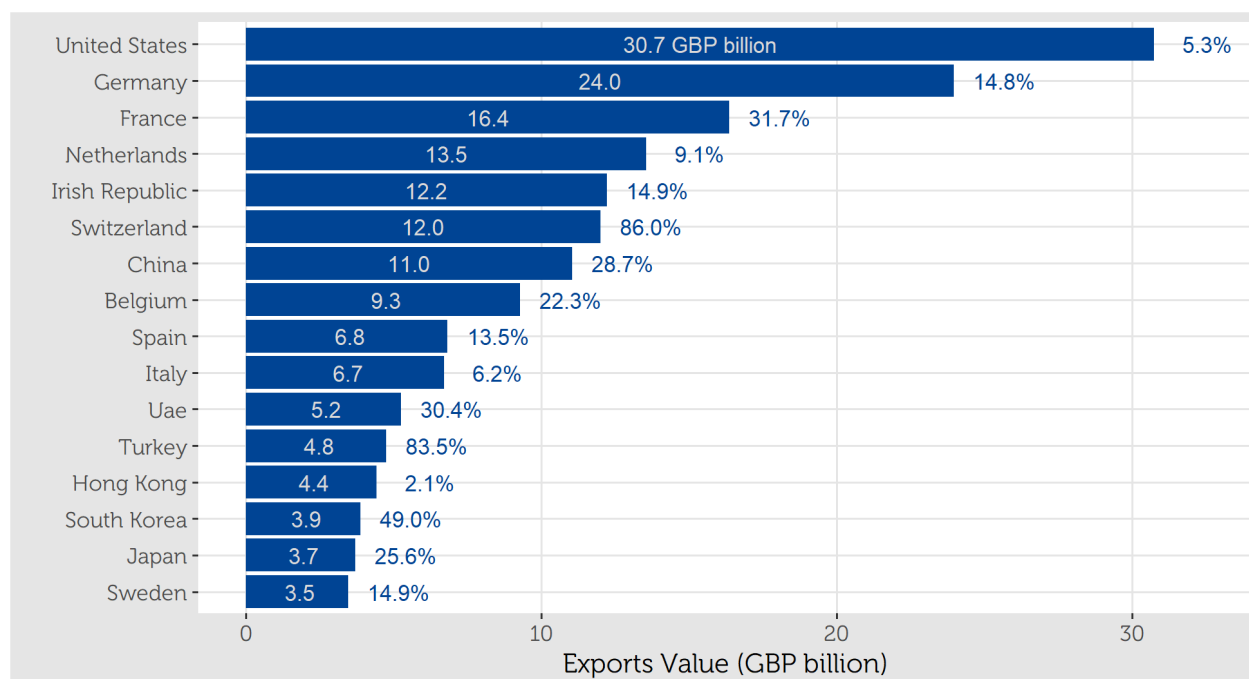


9.3.2 Imports - 2017 (Jan - Aug)

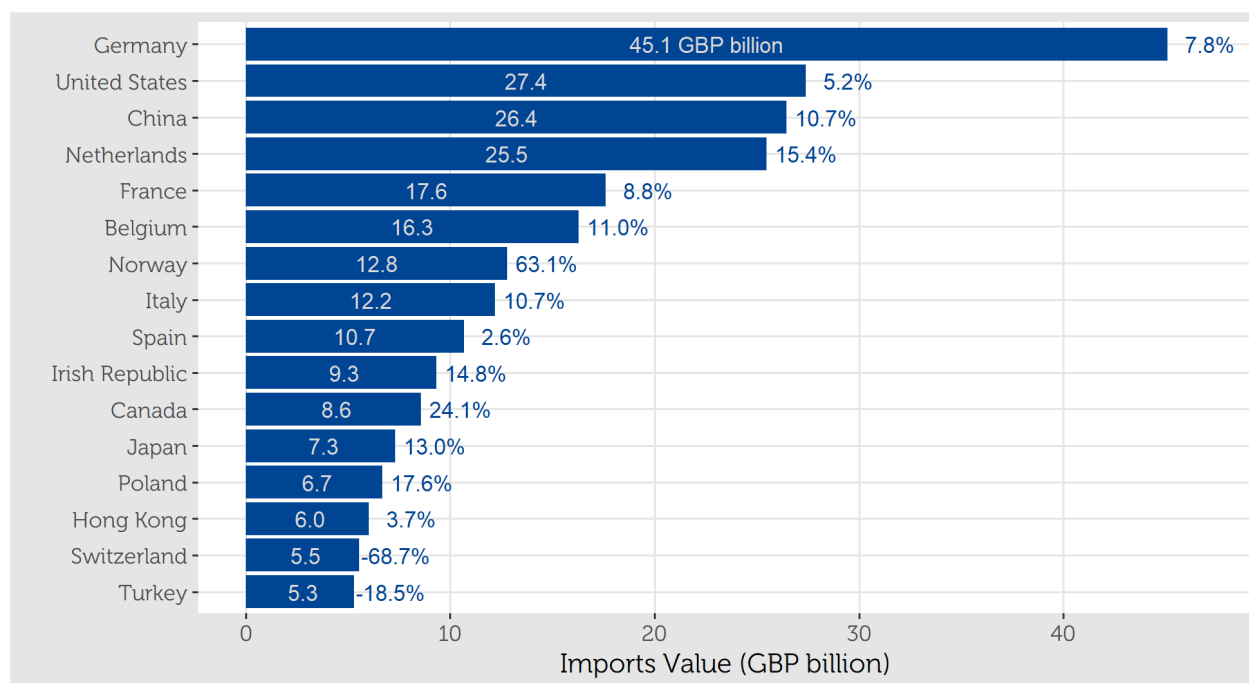


9.4 Goods Trade: Ranking by Country - Top 16

9.4.1 Exports - 2017 (Jan - Aug)

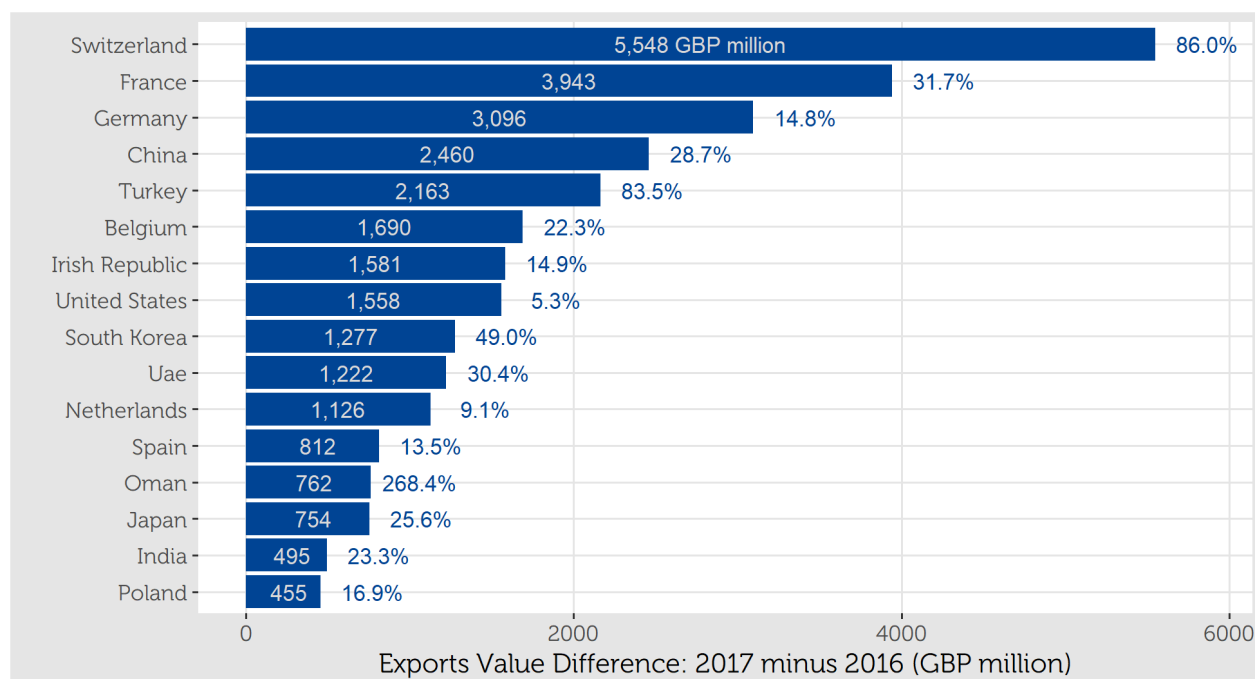


9.4.2 Imports - 2017 (Jan - Aug)

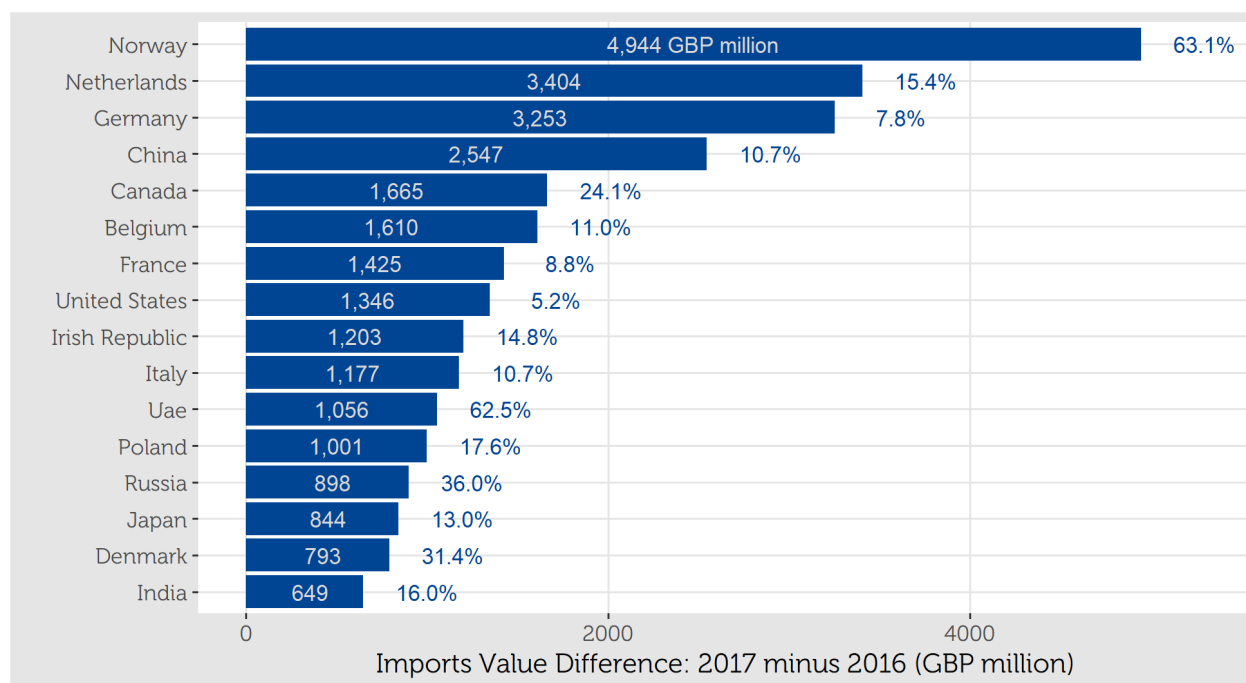


9.5 Goods Trade: Growth Ranking by Country - Top 16

9.5.1 Exports Value Growth - 2017 (Jan - Aug)

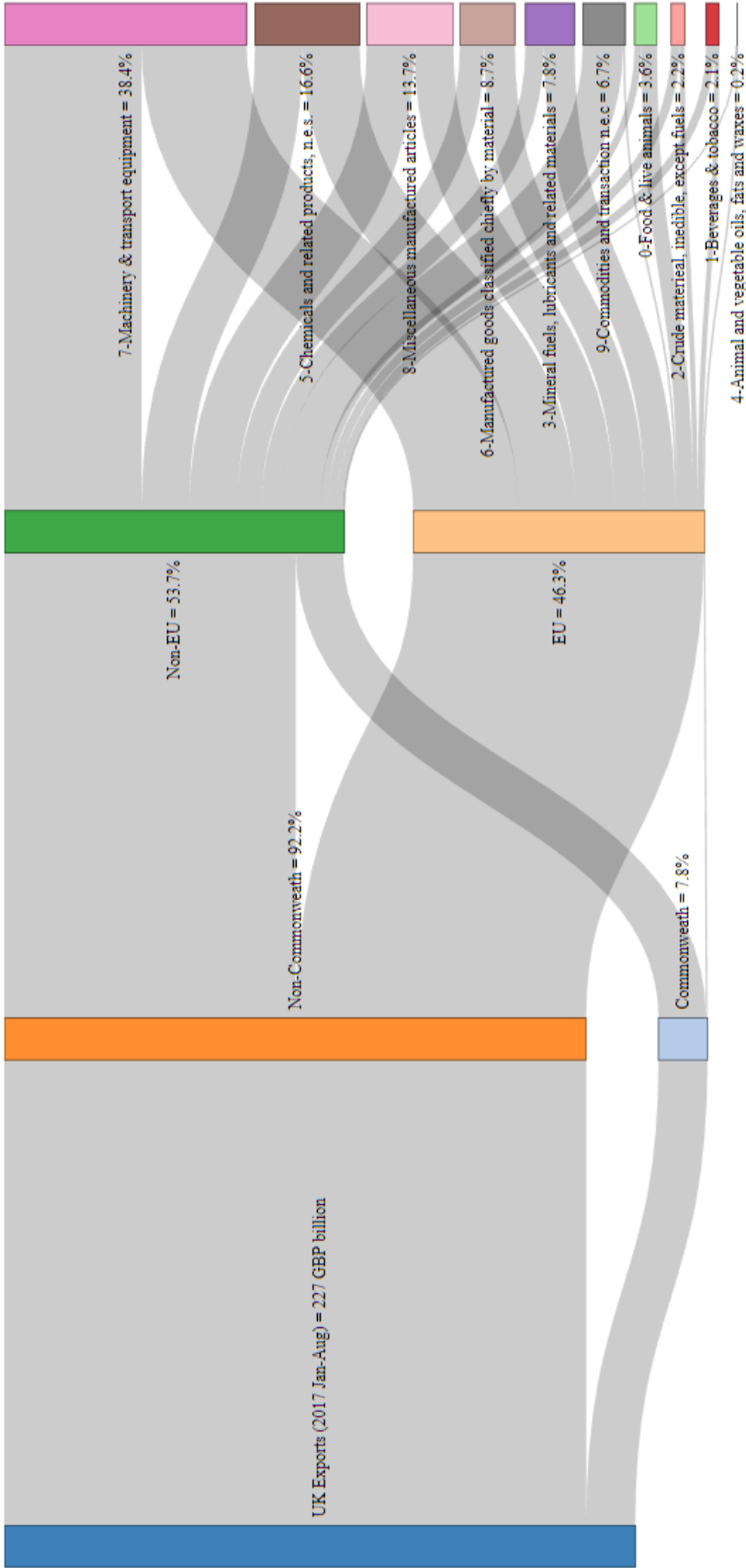


9.5.2 Imports Value Growth - 2017 (Jan - Aug)

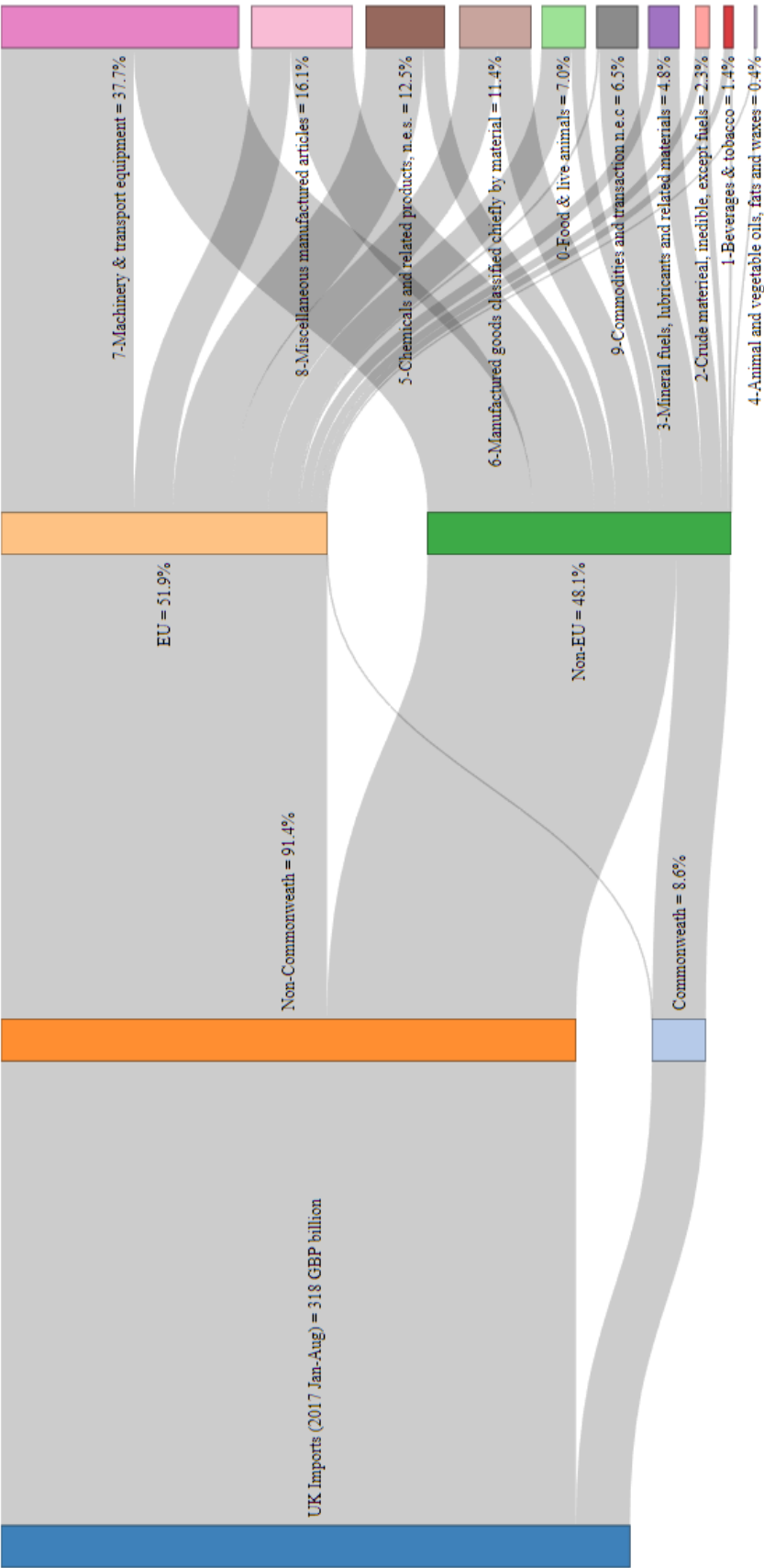


9.6 Goods Trade: EU & Commonwealth by SITC

9.6.1 Exports - 2017 (Jan - Aug)

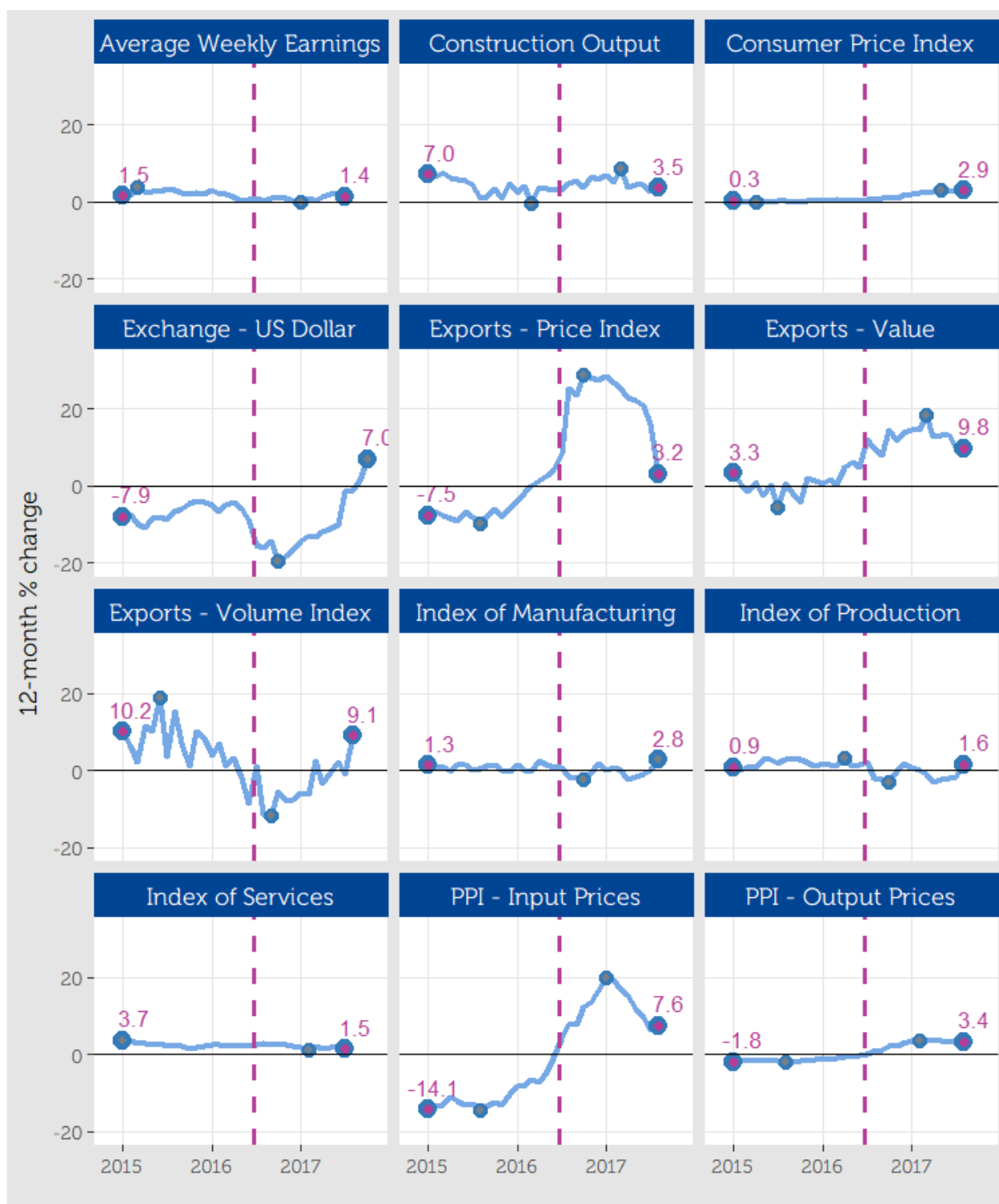


9.6.2 Imports - 2017 (Jan - Aug)

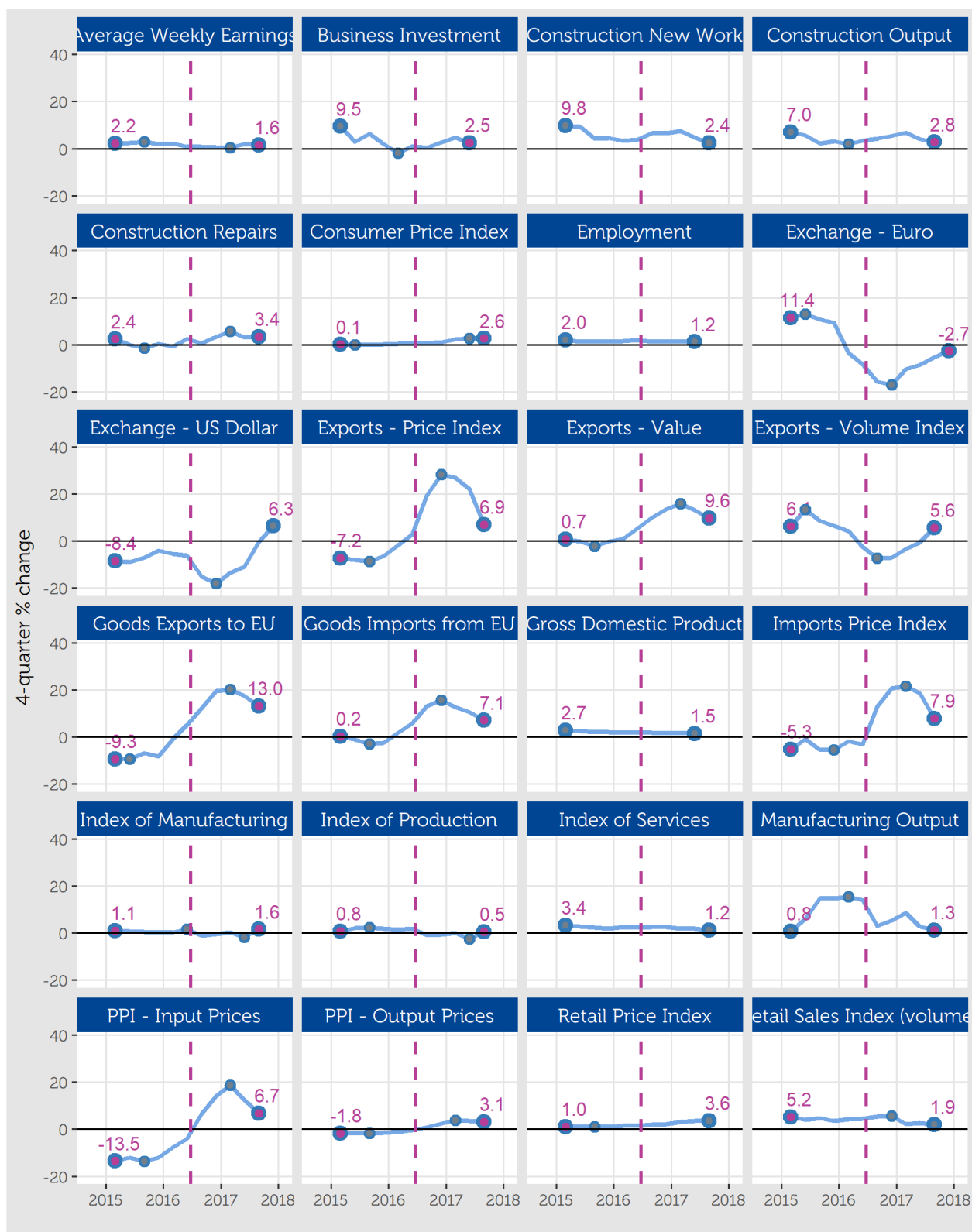


10 Economy At a Glance

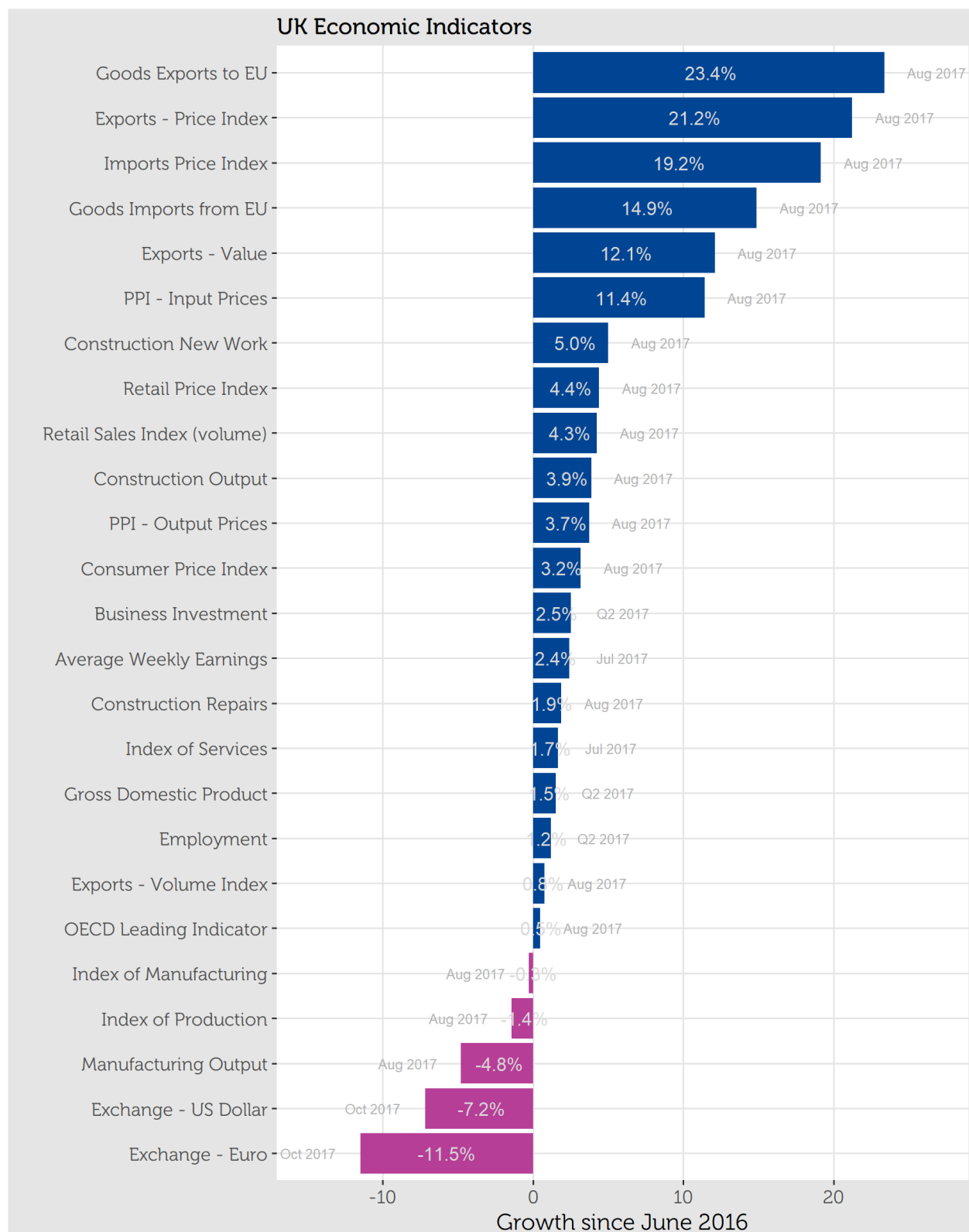
10.1 Growth: 12-month % growth



10.2 Growth: 4-quarter % growth

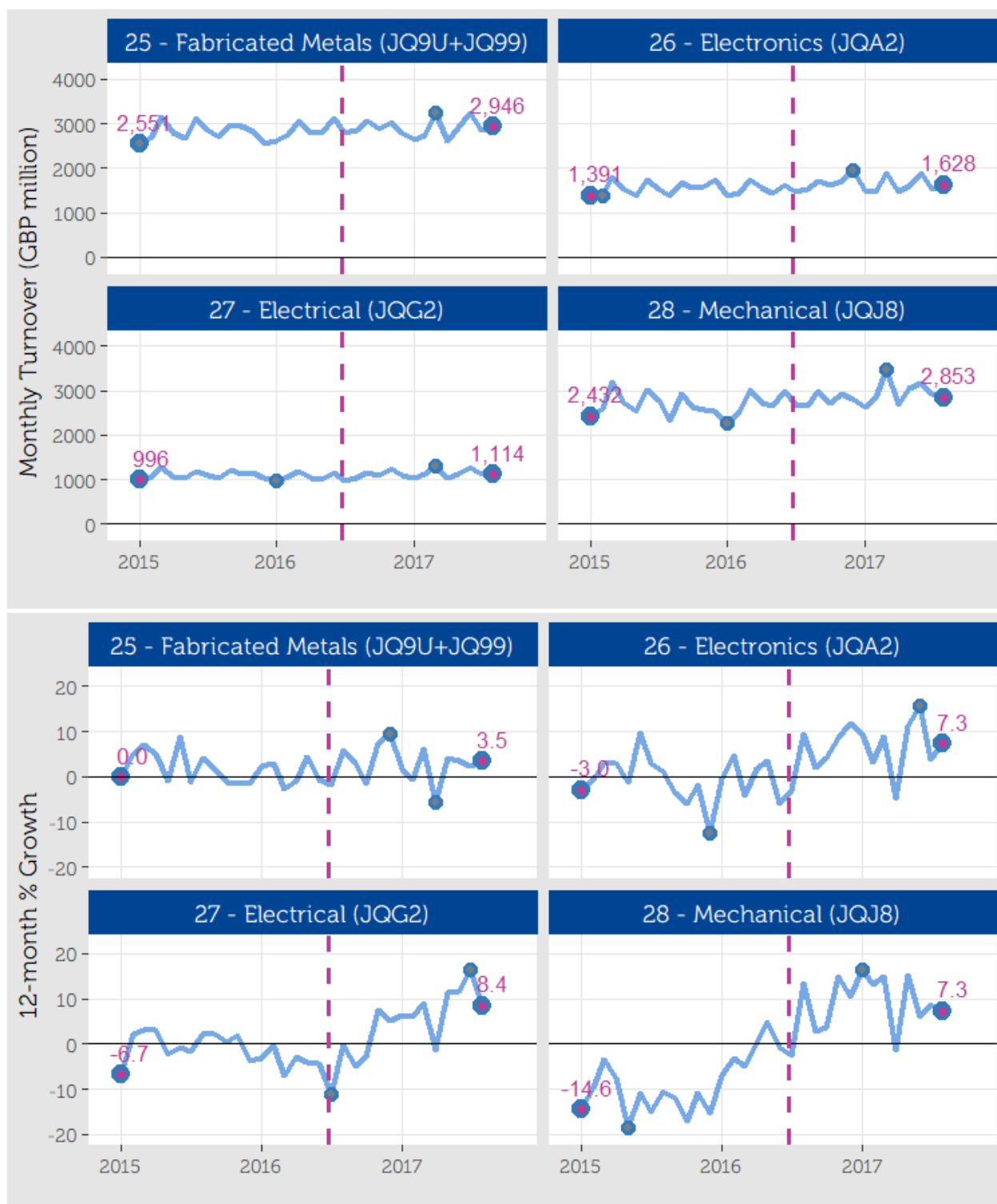


10.3 Growth: Since Referendum Vote

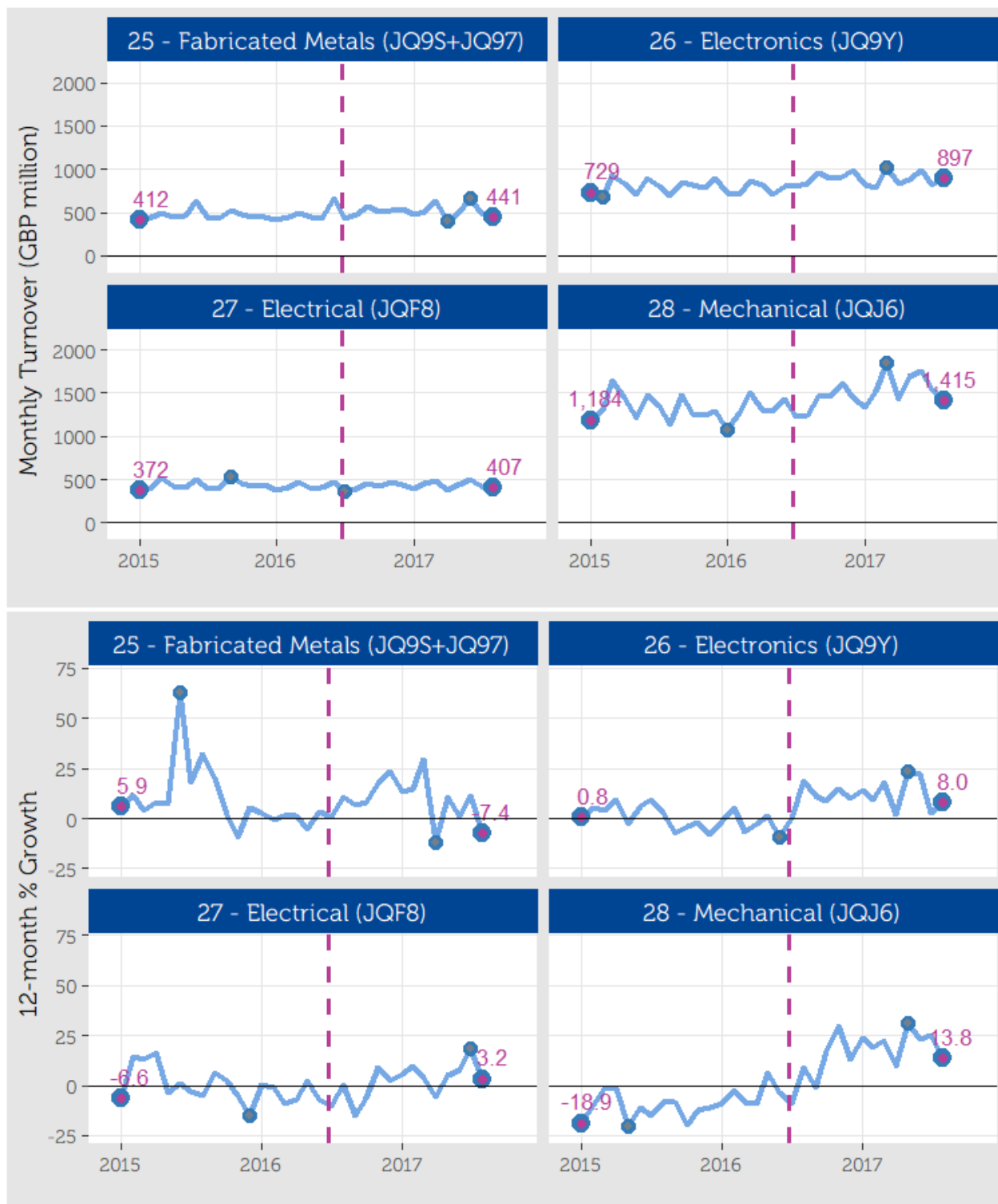


11 Industry Level Indicators

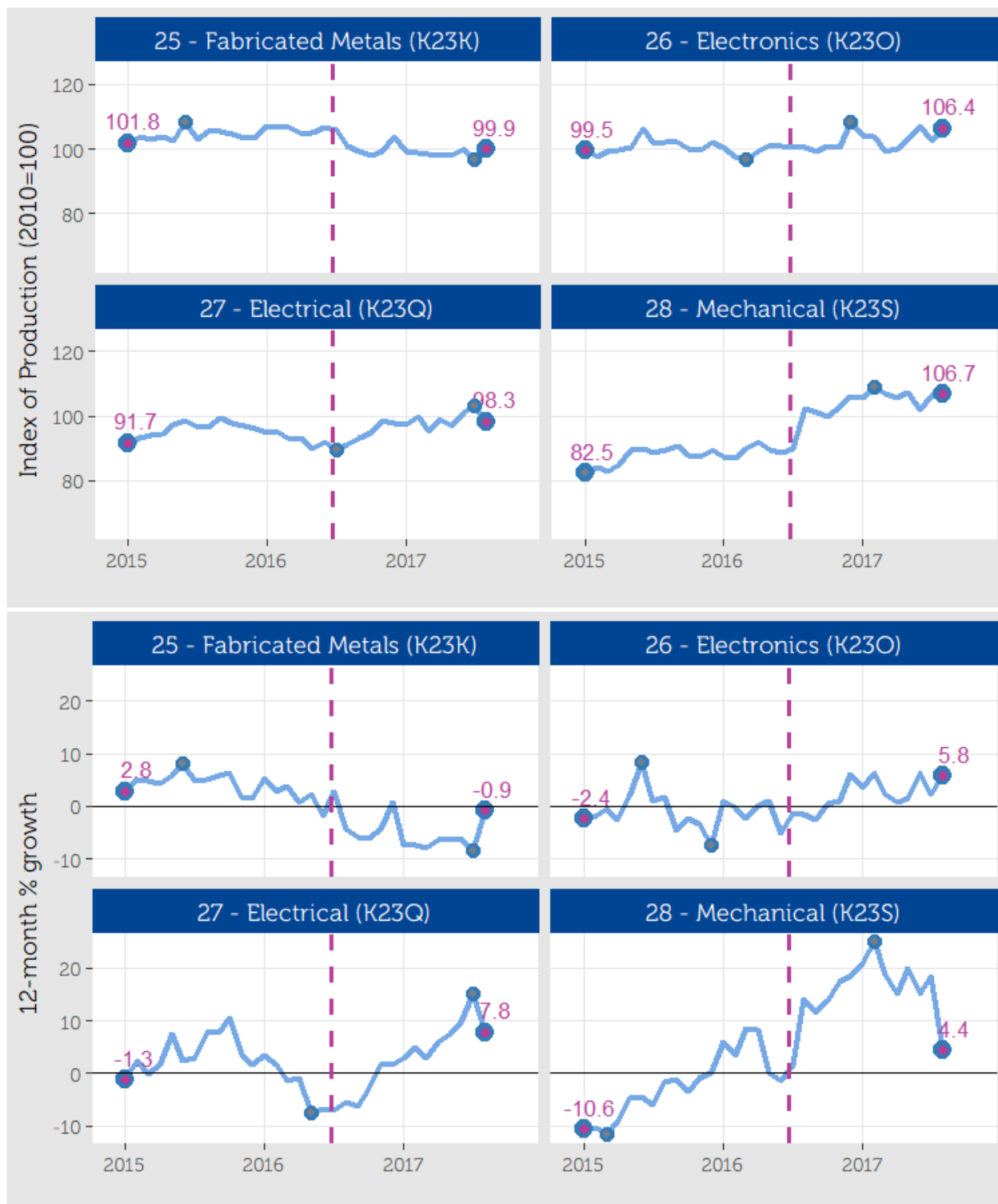
11.1 Turnover



11.2 Exports



11.3 Index of Production



11.4 Employment (including Self-Employment)



12 Growth Cycles

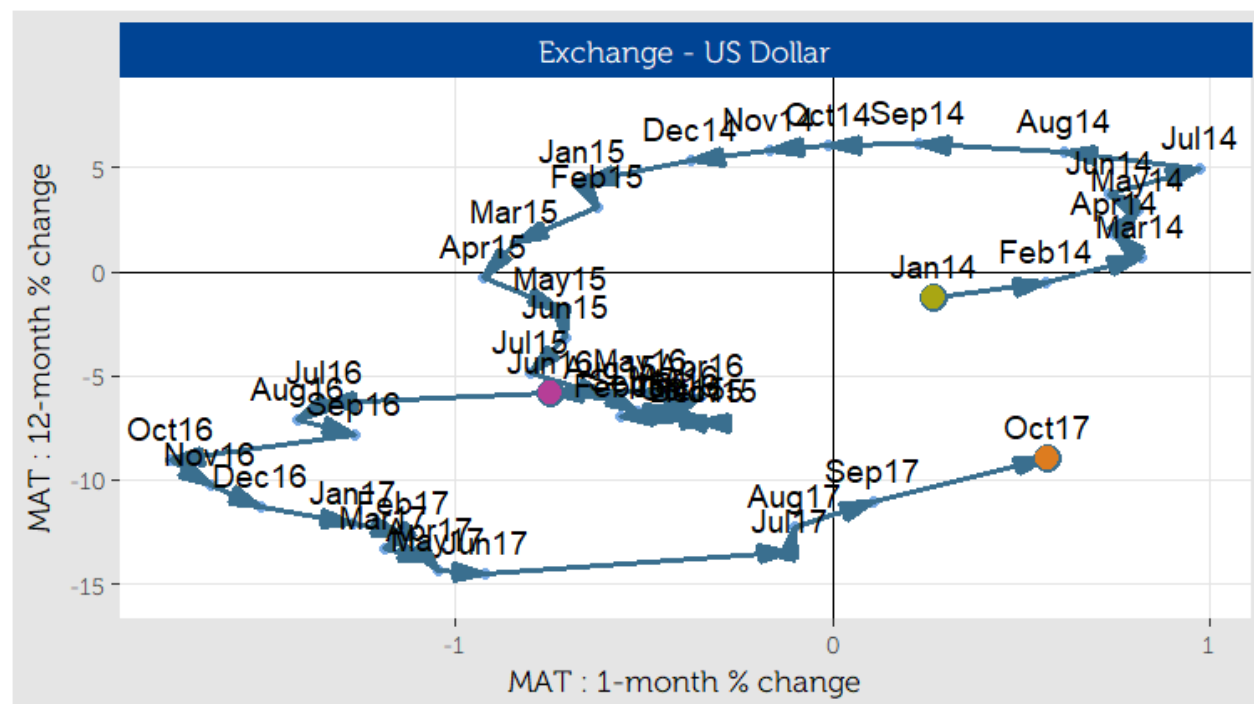
12.1 About Growth Cycles

Growth cycle, plots the annual growth of an indicator against the 1-month (or 1-quarter) growth. This put the indicator in one of 4 main quadrants:

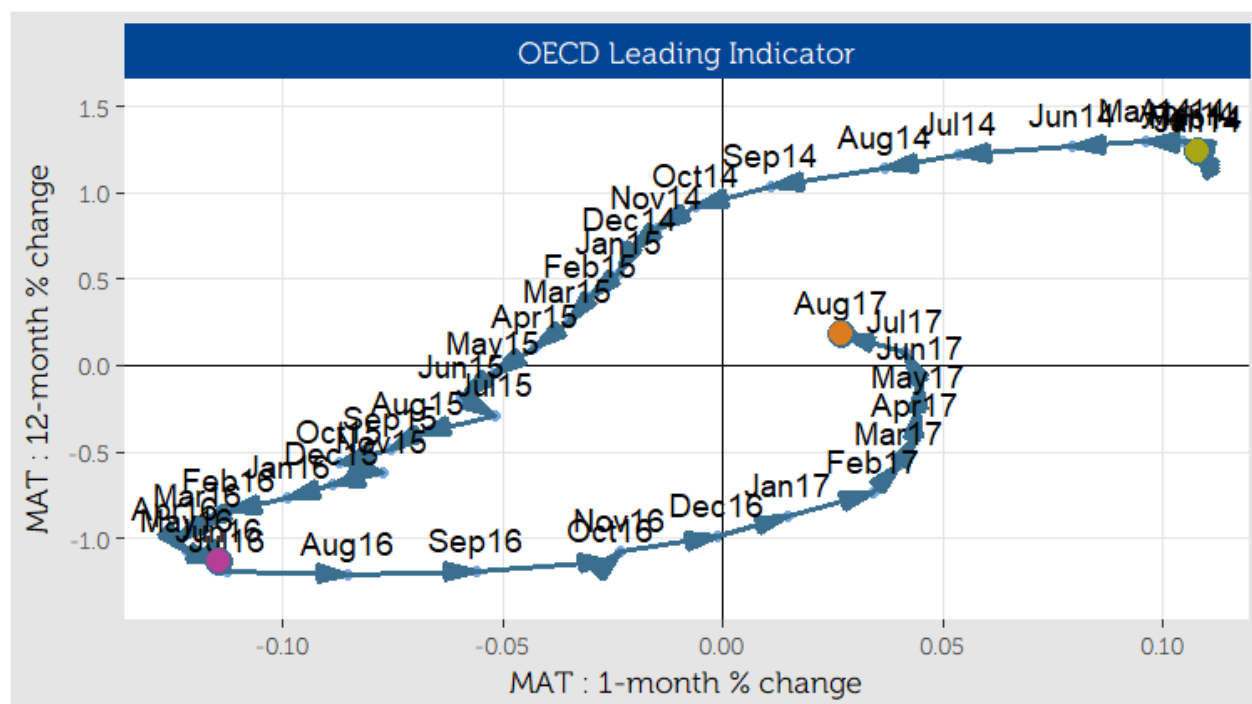
- Quadrant 1: increased compared to previous month (or quarter) and also increased compared previous year - **expansion**
- Quadrant 2: increased compared to previous month (or quarter) but decreased compared to previous year - **recovery**
- Quadrant 3: decreased compared to previous month (or quarter) and also decreased compared to previous year - **contraction**
- Quadrant 4: decreased compared to previous month (or quarter) but increased compared previous year - **slowing down**

Where an indicator is heading to is found by connecting indicator's position over a period of time. Using Moving Annual Total (MAT) helps to remove seasonal effect inherent in most indicators. This section show Growth Cycle plots of 6 selected indicators. The starting point is marked with green circle (●); purple circle (●) for referendum date and orange circle (●) for the current state.

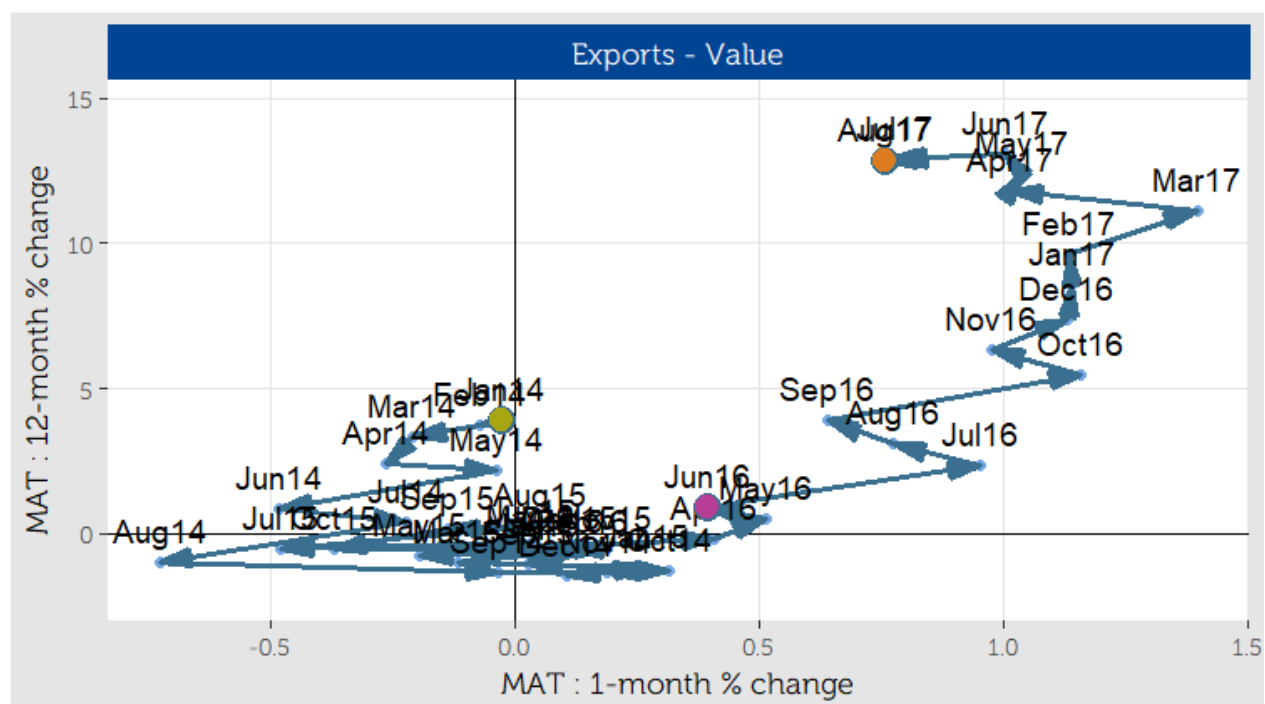
12.2 Exchange Rate (USD)



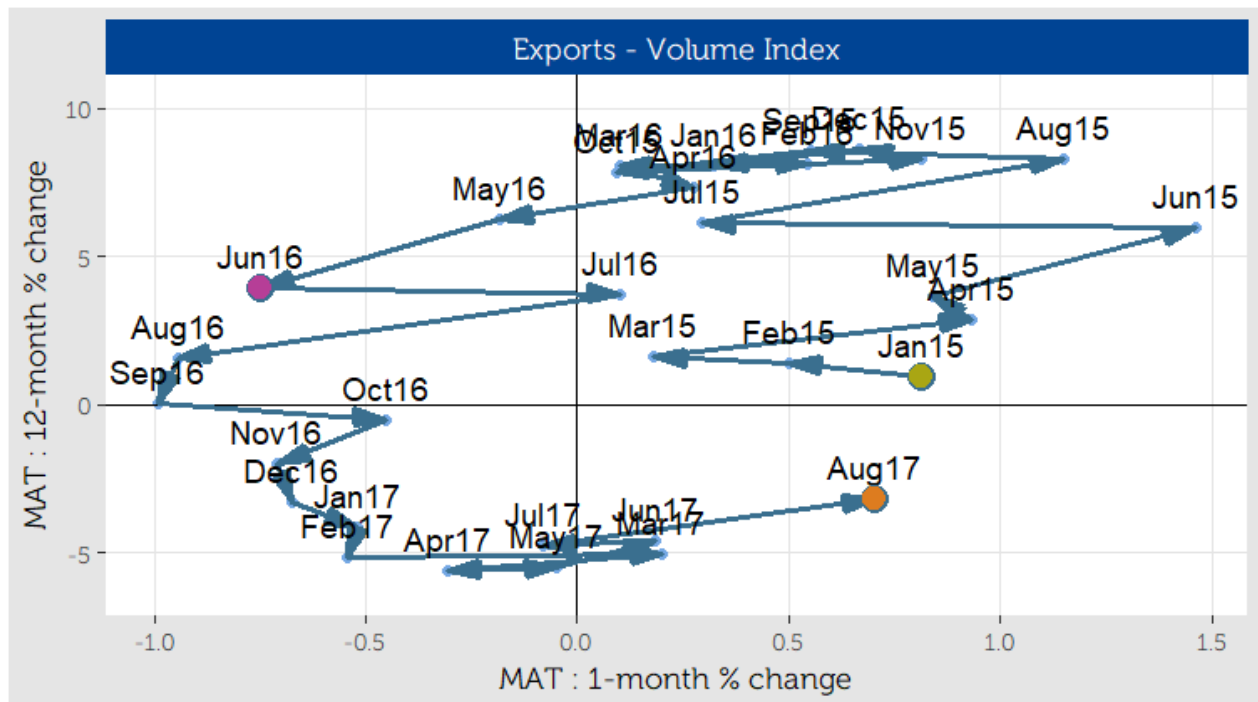
12.3 OECD Composite Leading Indicator - UK



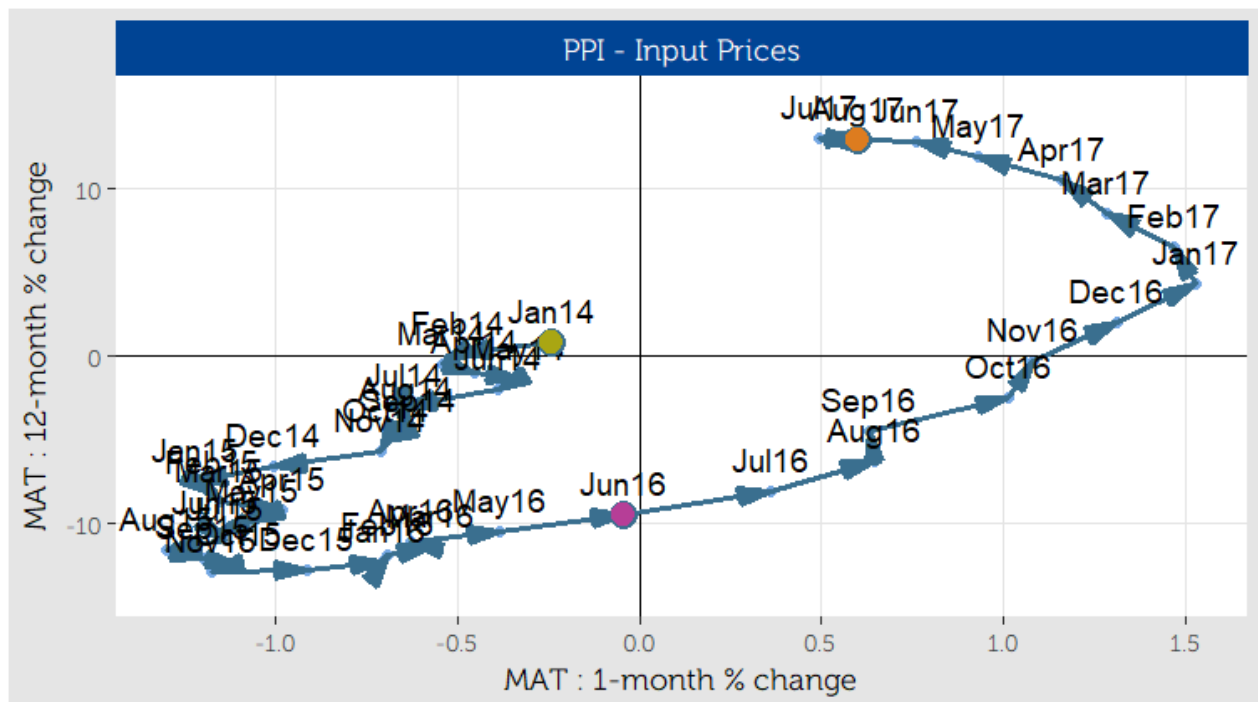
12.4 Exports - Value (IKBH)



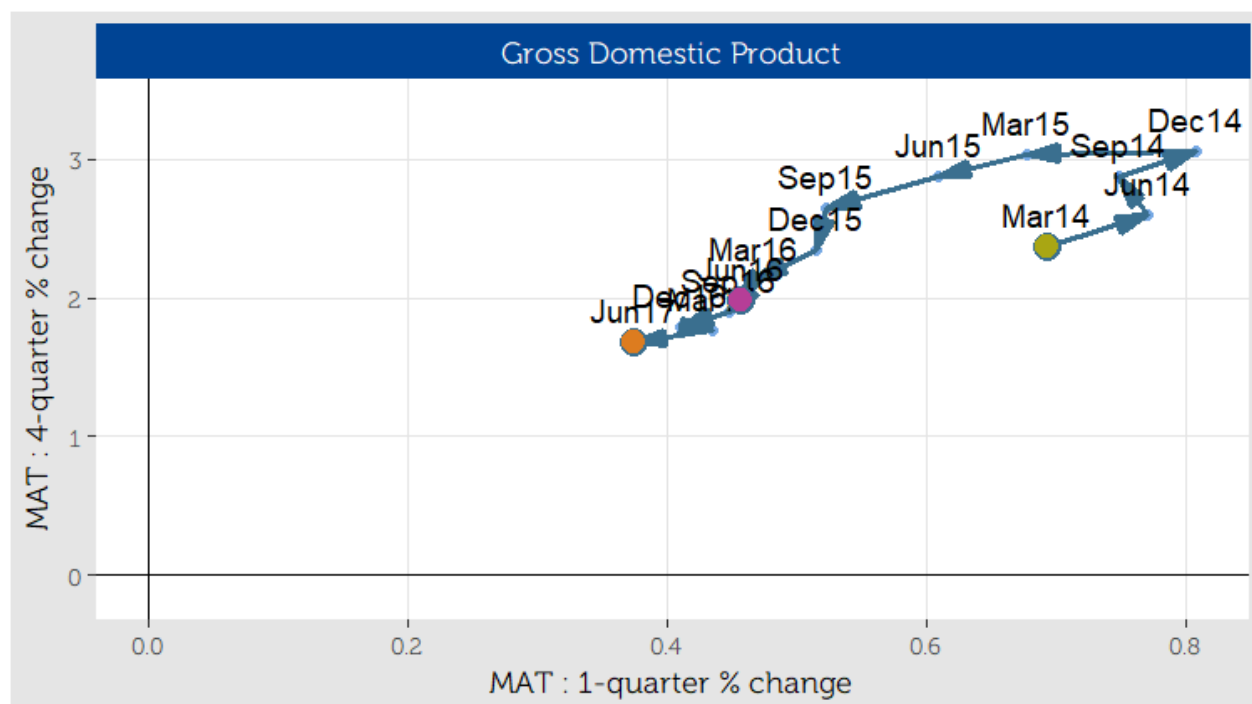
12.5 Exports - Volume Index (BQKU)



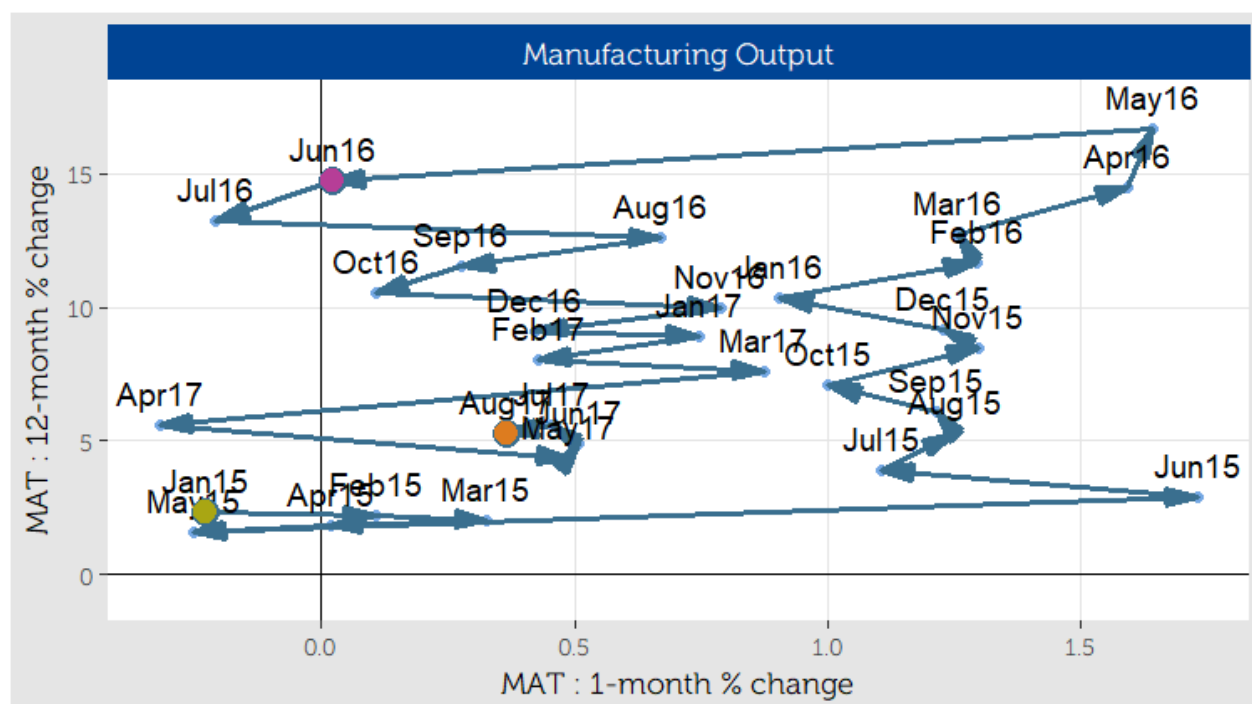
12.6 Input Prices (K646)



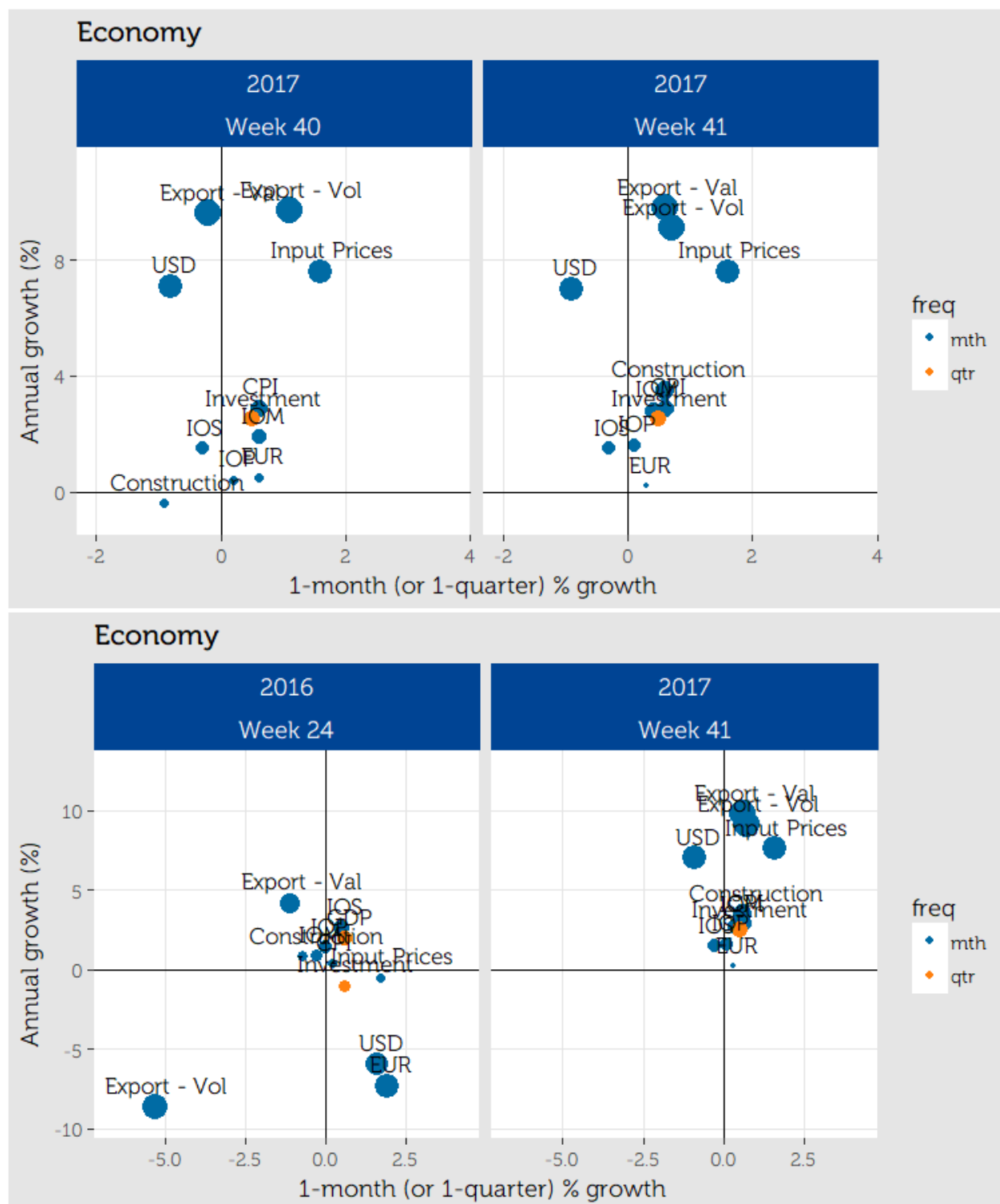
12.7 Gross Domestic Product - GDP (ABMI-UKEA)



12.8 Manufacturing Output (JT27)



12.9 Current State

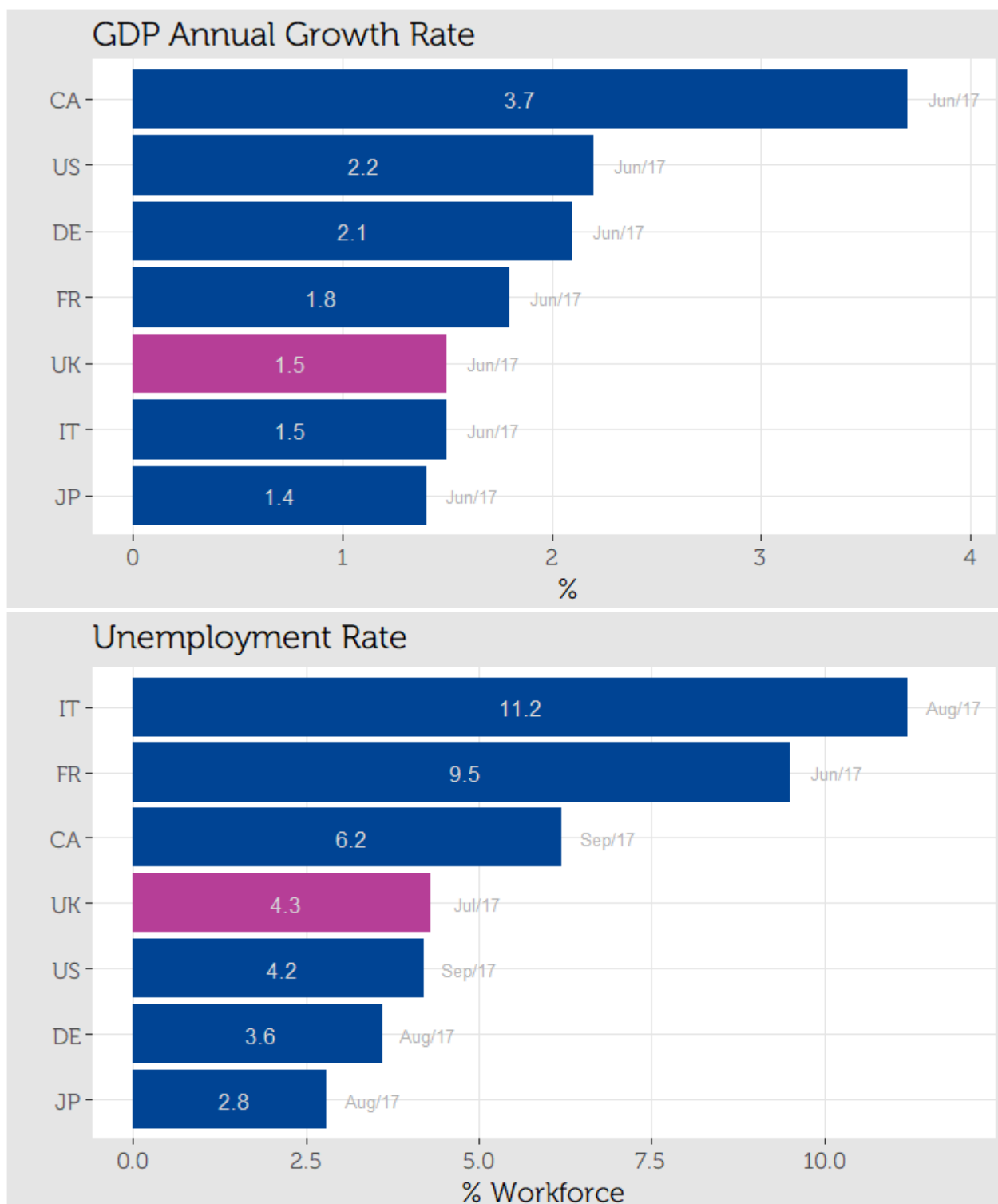


Top: Indicators growth - Current week versus previous week.

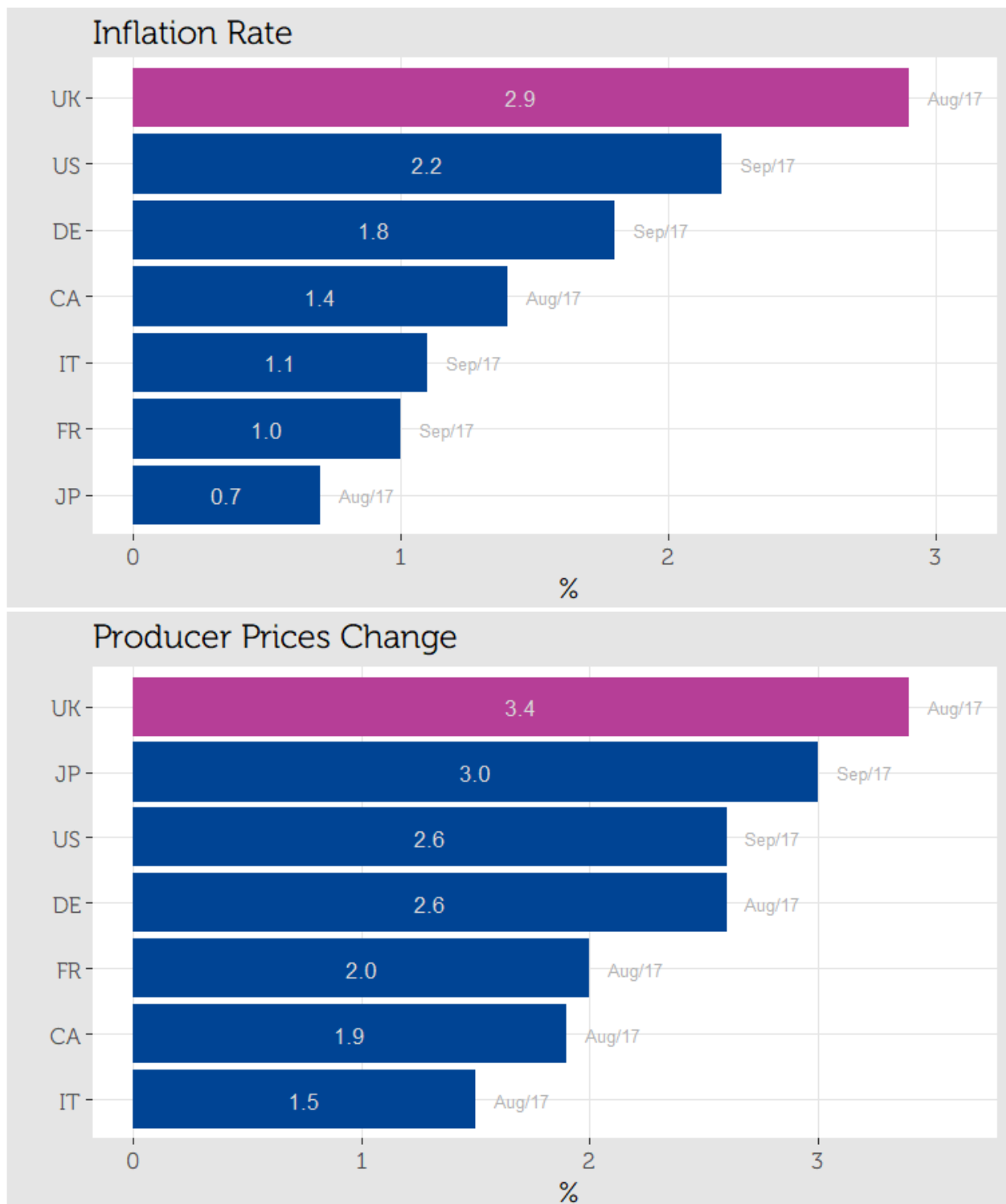
Bottom: Indicators Growth - Before Referendum vote versus current week

13 G7 Indicators (Latest)

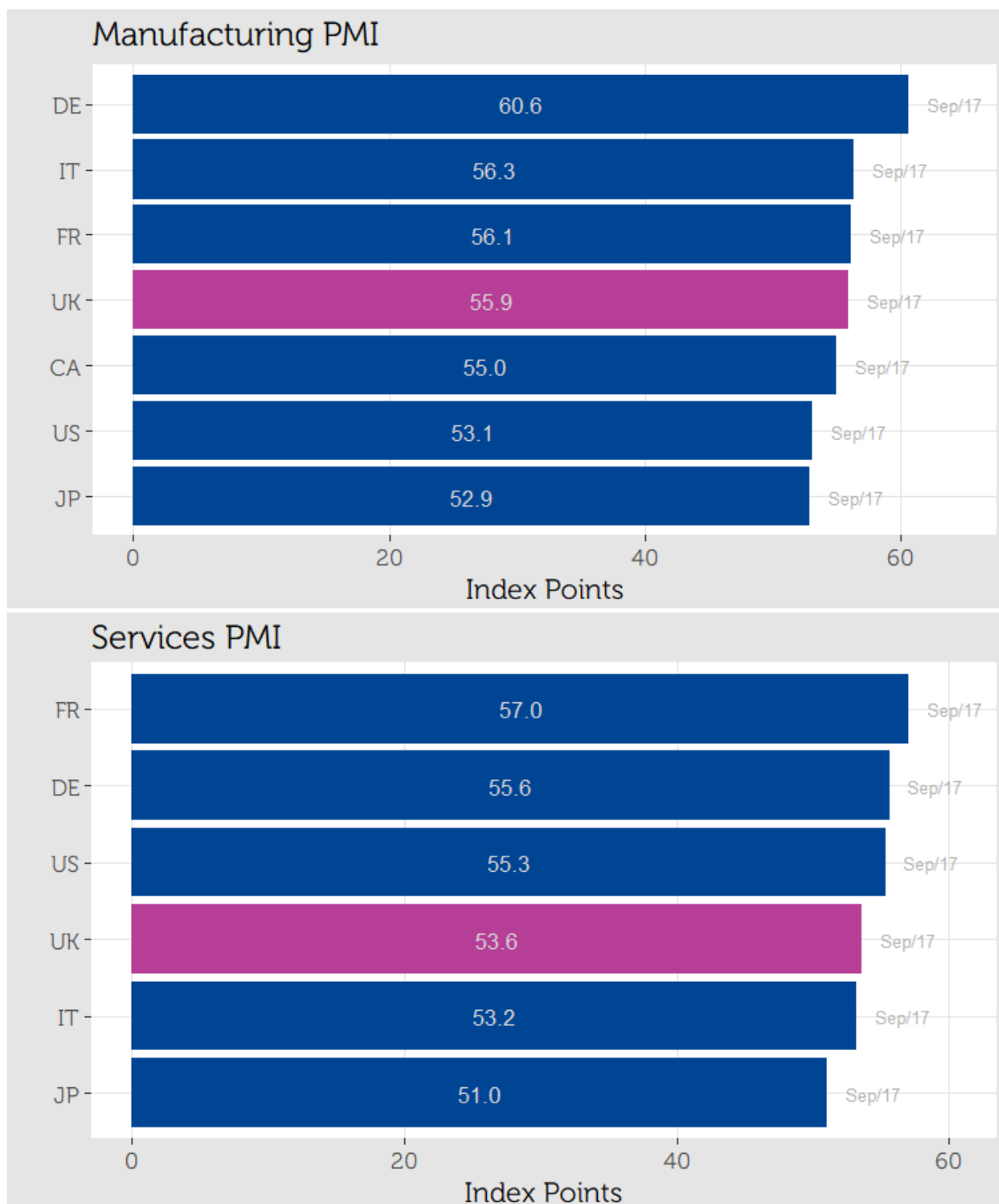
13.1 GDP & Unemployment



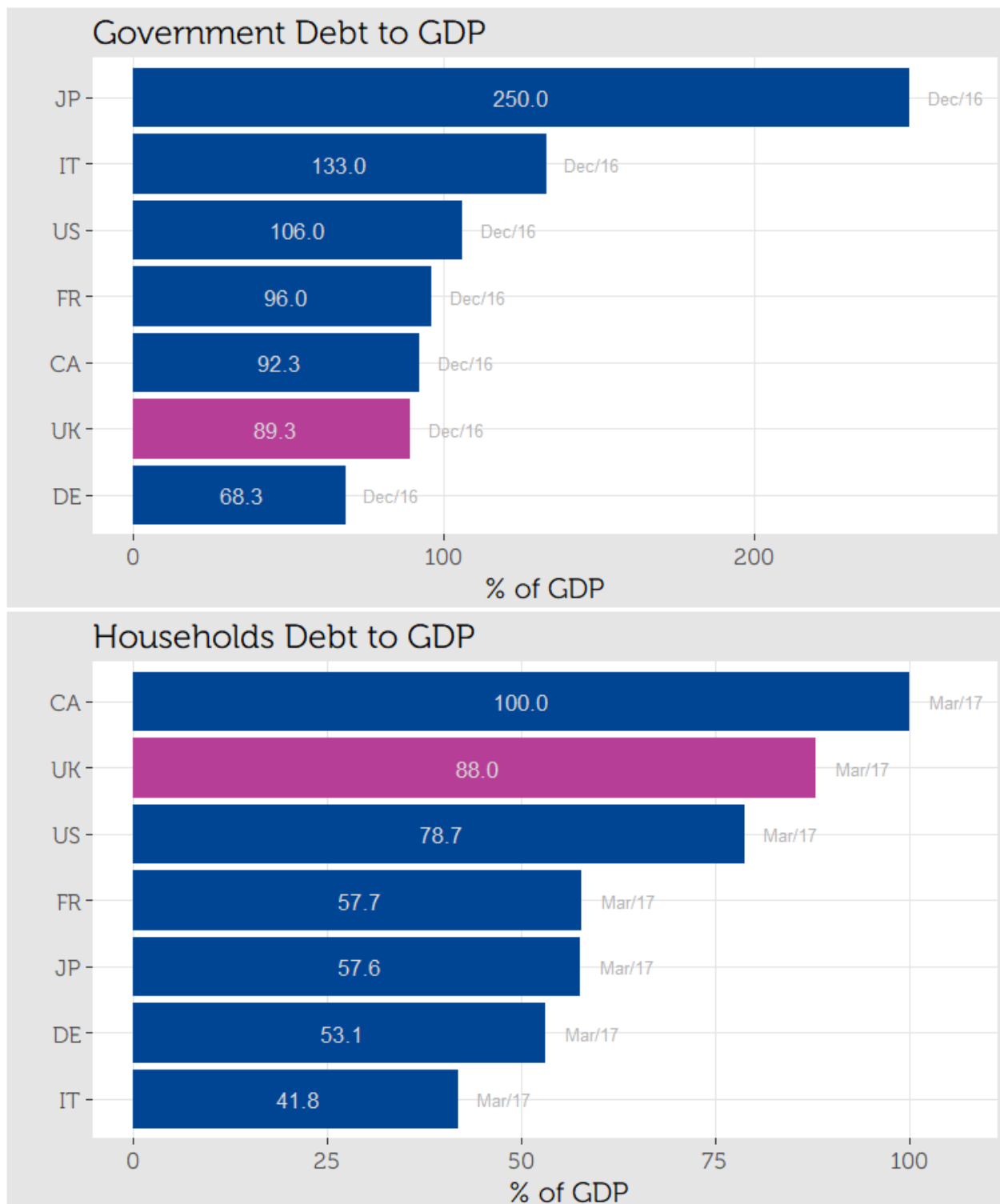
13.2 Inflation & Producer Prices



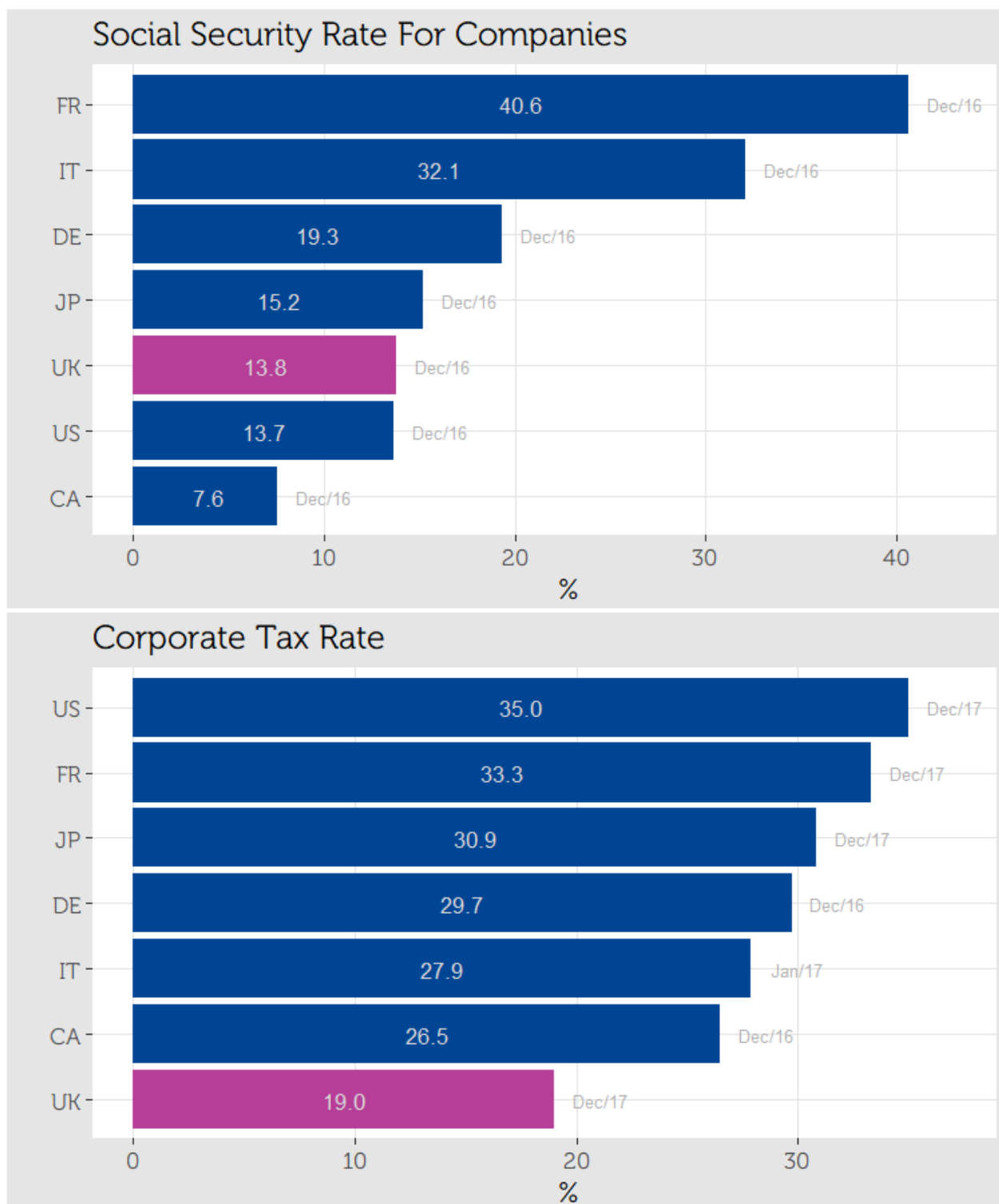
13.3 Purchasers Managers Index - Manufacturing & Services



13.4 Debt



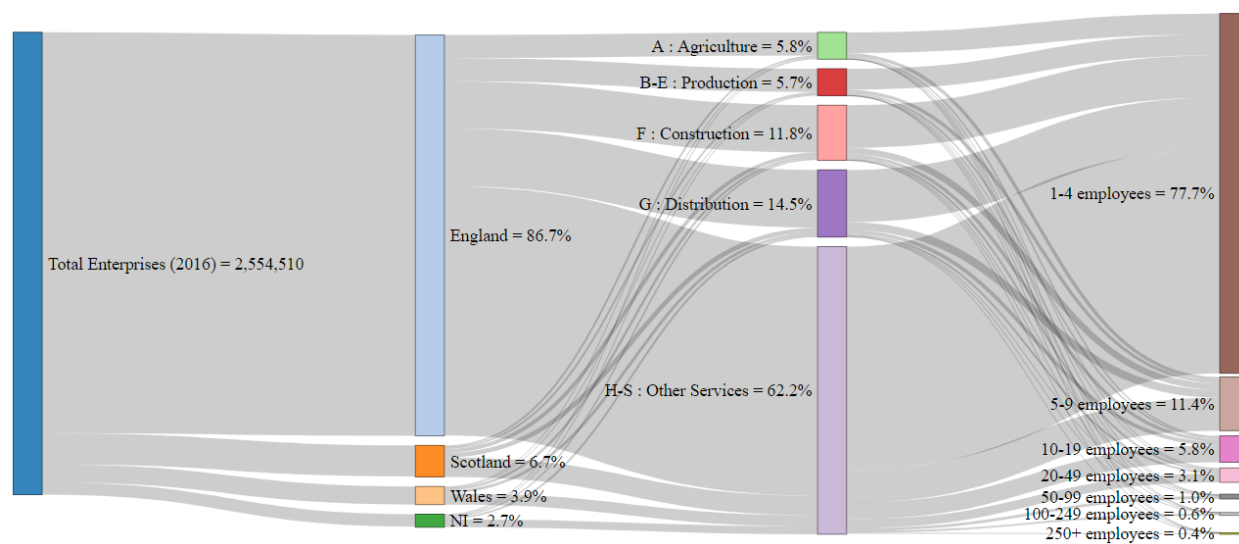
13.5 Employer Social Security Rate & Corporate Tax



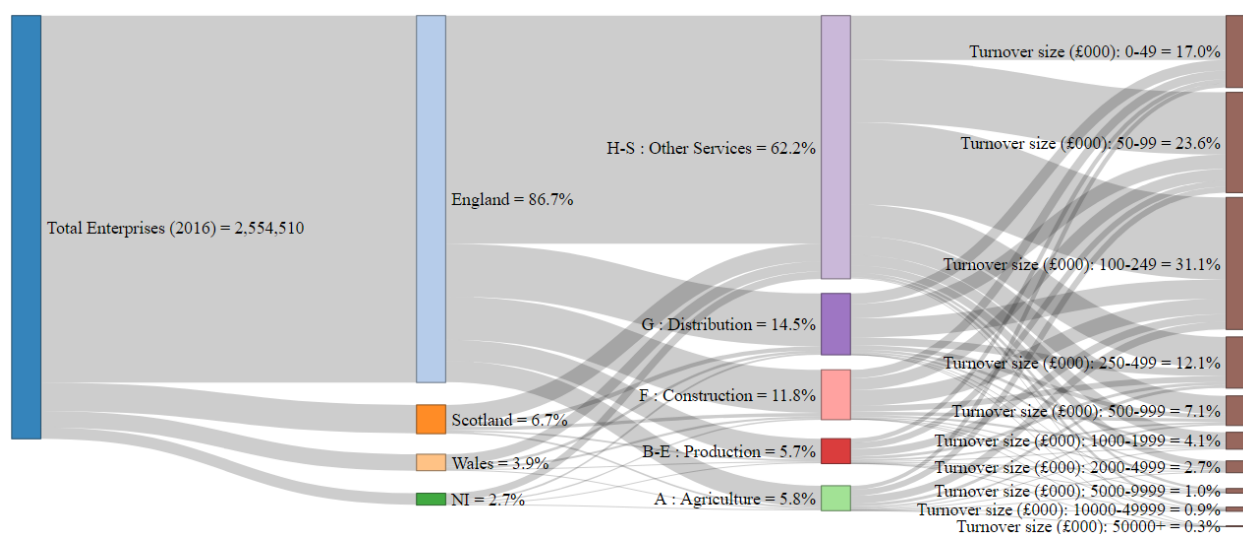
Appendices

A UK Businesses: Activity, Size & Location

A.1 Enterprises by Employment Size Band

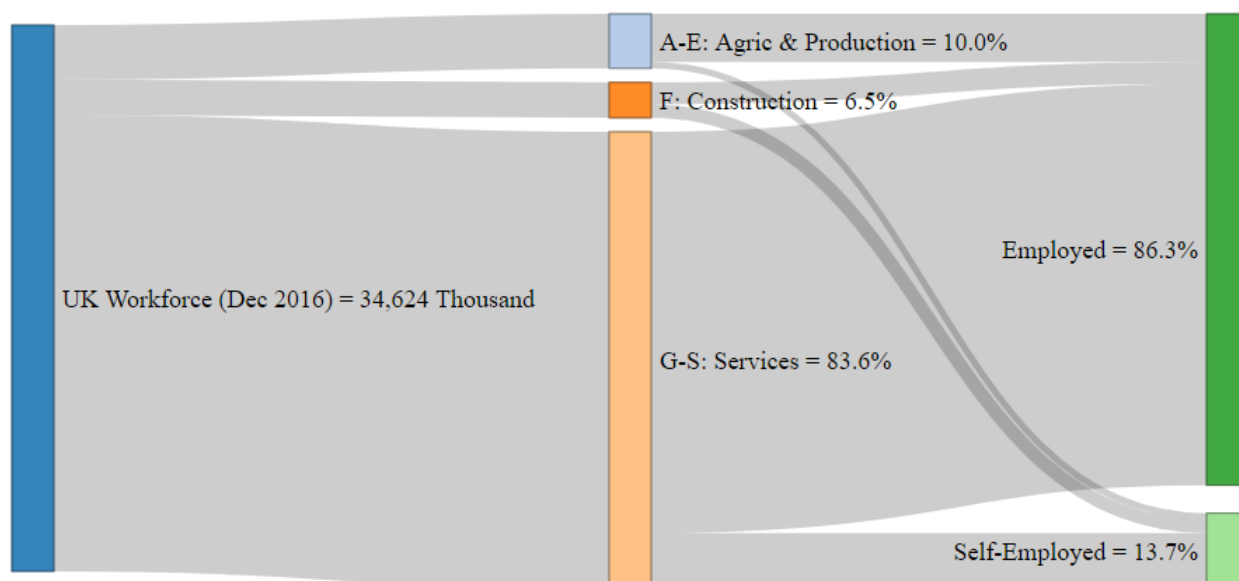


A.2 Enterprises by Turnover Size Band

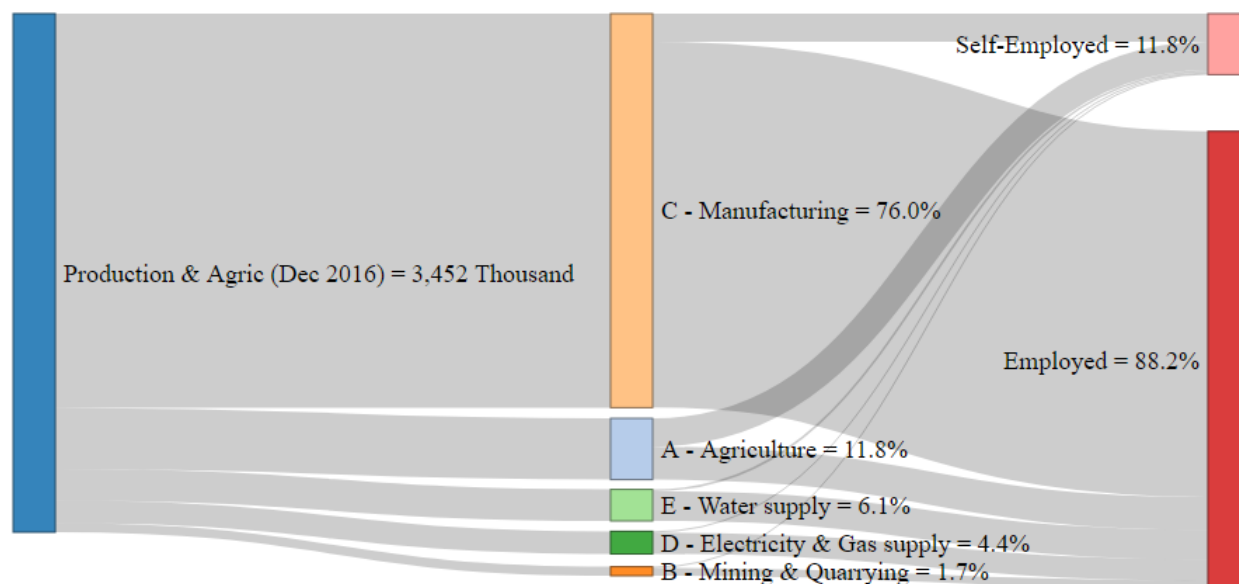


B UK Employment Structure

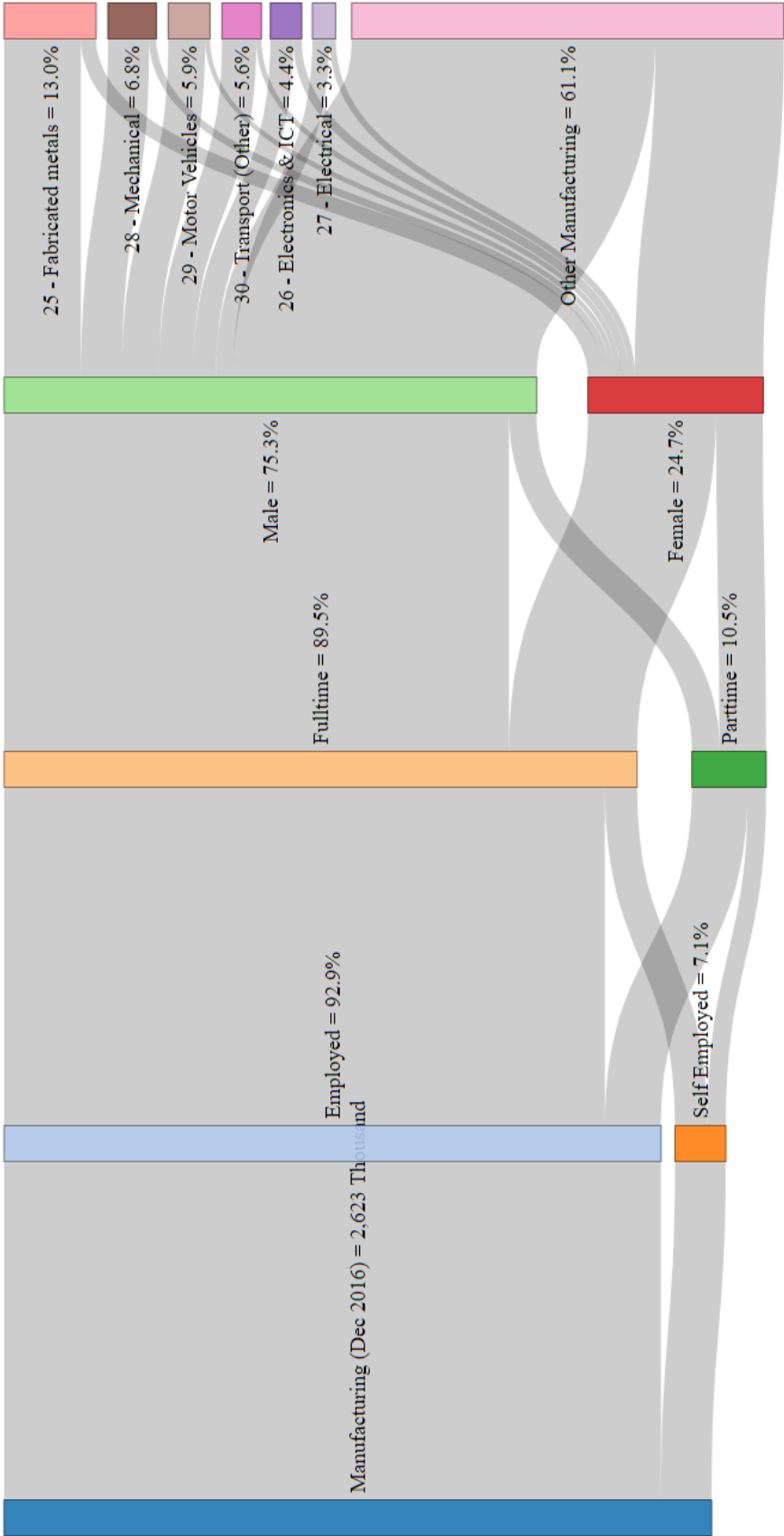
B.1 UK Workforce



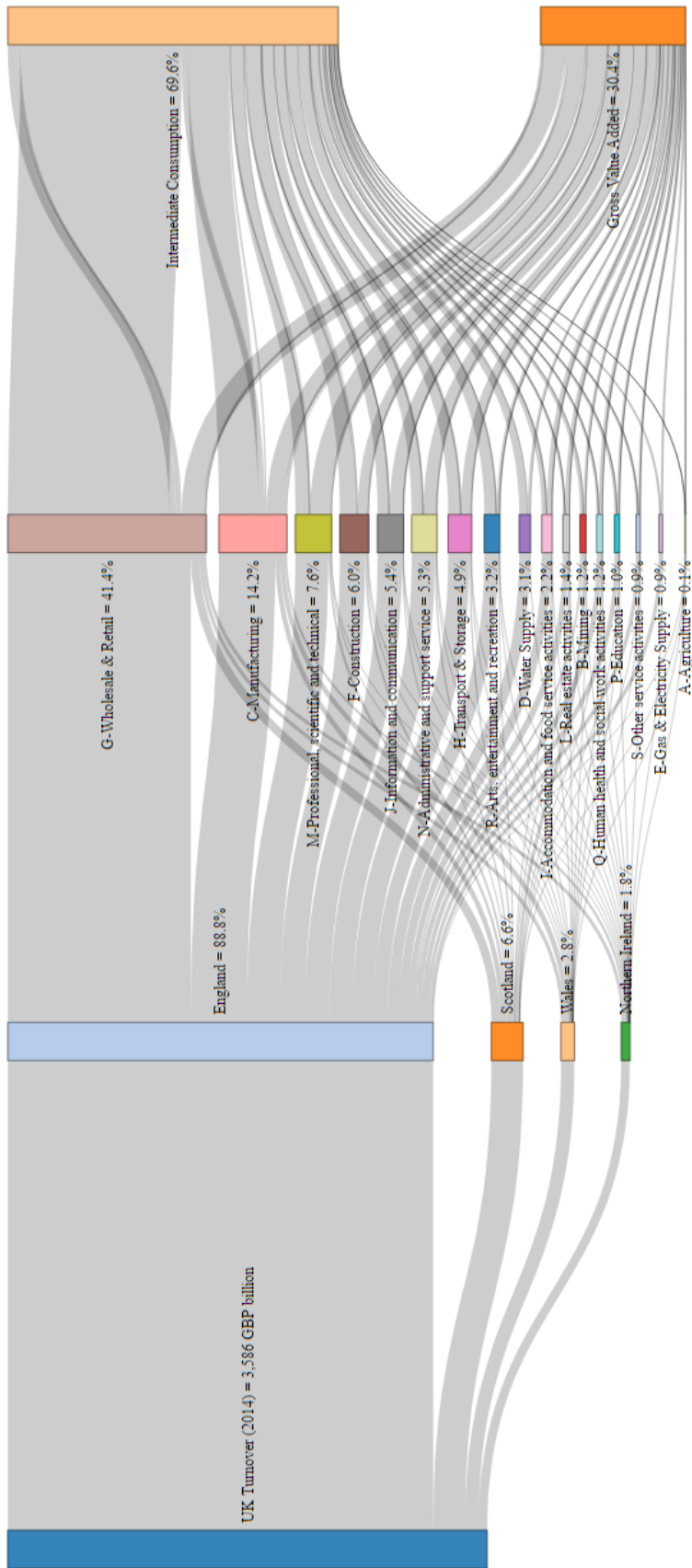
B.2 UK Production & Agriculture Workforce



B.3 UK Manufacturing Workforce



C UK Industrial Output by Region



Excludes **K** (Financial & Insurance Activities) and **O** (Public Administration & Defence)

D Data sources

- ONS
 - Producer Prices : <http://www.ons.gov.uk/economy/inflationandpriceindices>
 - Consumer Prices: <http://www.ons.gov.uk/economy/inflationandpriceindices>
 - GDP: <http://www.ons.gov.uk/economy/grossdomesticproductgdp>
 - Retail Sales: <http://www.ons.gov.uk/businessindustryandtrade/retailindustry>
 - Business Investment: <http://www.ons.gov.uk/economy/grossdomesticproductgdp>
 - Employment : <http://www.ons.gov.uk/employmentandlabourmarket>
 - Production : <http://www.ons.gov.uk/economy>
 - Exports : <http://www.ons.gov.uk/economy/nationalaccounts/balanceofpayments>
 - Turnover: <http://www.ons.gov.uk/businessindustryandtrade>
 - Annual Business Survey : <https://www.ons.gov.uk/businessindustryandtrade>
 - Construction: <https://www.ons.gov.uk/businessindustryandtrade>
- HMRC
 - UK Trade: <https://www.uktradeinfo.com/Statistics/BuildYourOwnTables>
- ECB
 - Exchange rate: <https://www.ecb.europa.eu/stats/exchange/eurofxref>
- OECD & Trading Economics
 - UK composite indicator <http://stats.oecd.org/Index.aspx>
 - G7 Indicators : <https://tradingeconomics.com/>

E Information about EURIS

EURIS is an advisory body for the potential impacts of the changing relationship between the UK and EU for the UK Government, manufacturers and media. EURIS members are industry trade associations BEAMA, GAMBICA, EAMA, REA, CESA, FETA and TechWorks, covering some 3500 companies across electrotechnical, electronics, renewables and mechanical engineering products. It has a focus on product manufacturers covered by the Single Market and the supporting regulations and standards. For more information on EURIS, please visit <http://www.euristaskforce.org>.

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