



European Union Relationship & Industrial Strategy

# Biweekly **BREXIT WATCH**

## Issue 13

## June 2018

## Brexit Watch - 2018 Issue 13

The biweekly Brexit Watch report monitors the short-term UK macro economic indicators to assess the impact of UK decision to leave European Union on UK economy. The report also monitors indicators in four manufacturing industries (FEEM), namely, Fabricated Metals (SIC 25), Electronic (SIC 26), Electrical (SIC 27) and Mechanical (SIC 28).

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).

A vertical purple line on the charts marks 23rd of June 2016, the date of the referendum.

The main points at the end of week 26 in 2018 are as follows:

- ★ **Sterling** slide against the **US Dollar** in past 2 weeks but the month-to-date average in June 2018 was 3.9% higher than a year earlier.
- The final estimate of UK **GDP** growth in 2018 Q1 was revised up to 0.2% from 0.1%.
- **Unemployment** rate remained at 4.2%, a 47-year low, in the three months to April 2018 as the number employed increased by 440 thousand compared to a year earlier.
- **Input prices** rose by 9.2% in the twelve months to May 2018, driven by crude oil and imported metals.
- **Consumer price index** rose by 2.4% in the twelve months to May 2018, driven by rising motor fuel prices.
- ★ **Index of services** in April 2018 rose by 1.6% compared to twelve months earlier, driven by business services and finance.
- **Construction** output in April 2018 grew by 0.5% to £12.6 billion on previous month but the output was 3.3% lower compared to twelve months earlier.
- **Retail sales volume** hits 17-month high as year on year sales in April 2018 rose by 3.9%, driven by boost in food and household good sales attributed to good weather and Royal Wedding celebrations.
- **Exports** in April 2018 fell by 3.3% to £50.0 billion compared to twelve months earlier but **imports** grew by 5.1% to £55.3 billion in the same period.
- The moving annual **Turnover** for the FEEM group reached £109.5 billion in April 2018, representing a growth of 8.0% compared to April 2017. The group **exported** £43.0 billion in the twelve months to April 2018, a growth of 10.3% and the **workforce** now stands at 750 thousand.

June 2018  
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## Glossary

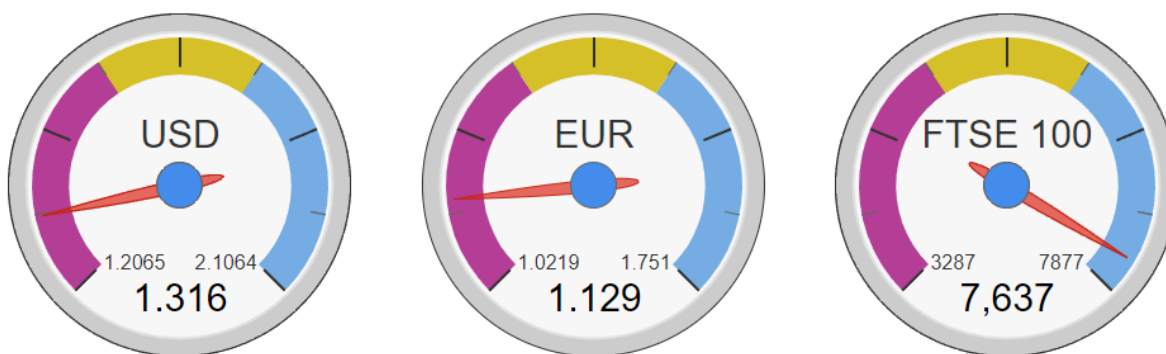
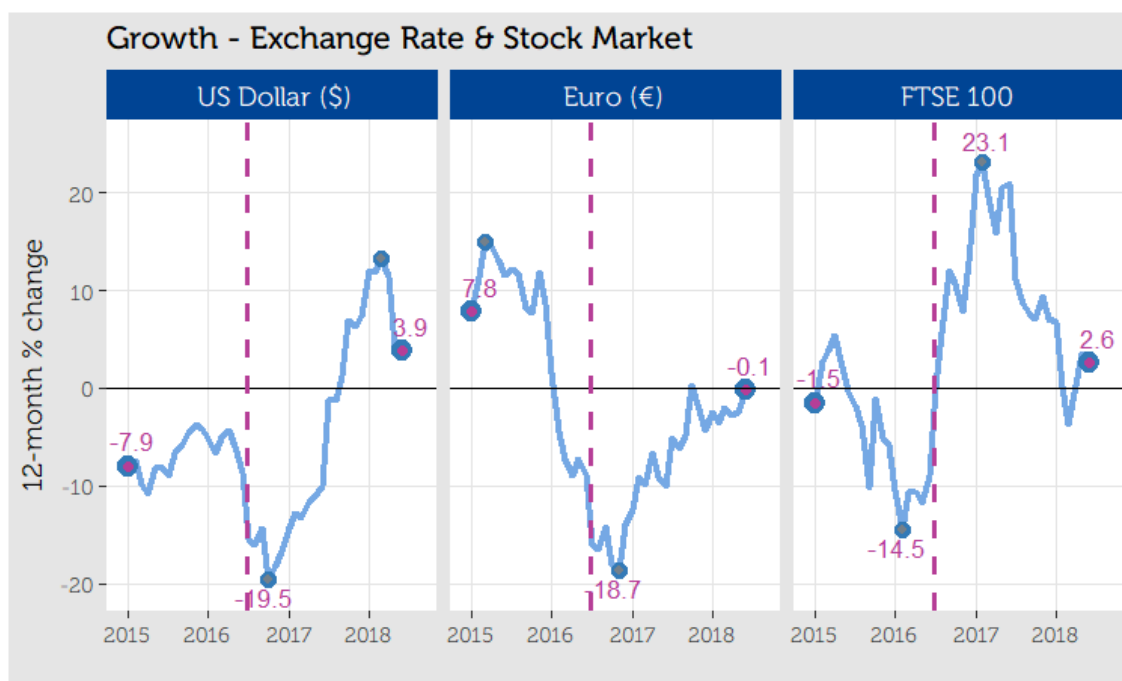
<b>BEAMA</b>	British Electrotechnical & Allied Manufacturers Association	<b>IOP</b>	Index of Production
<b>CESA</b>	Catering Equipment Suppliers Association	<b>IOS</b>	Index of Services
<b>CNY</b>	Chinese Yuan	<b>MAA</b>	Moving Annual Average
<b>CPI</b>	Consumer Price Index	<b>MAT</b>	Moving Annual Total
<b>CPIH</b>	Consumer Prices Index including owner occupiers' housing costs	<b>MTA</b>	The Manufacturing Technologies Association
<b>EAMA</b>	Engineering and Machinery Alliance	<b>MTD</b>	Month to date
<b>ECB</b>	European Central Bank	<b>NI</b>	Northern Ireland
<b>EUR</b>	Euro	<b>NMI</b>	UK Electronic Systems & Technology Industry
<b>FEEM</b>	Group of 4 engineering industries representing SIC codes 25 (Fabricated Metals), 26 (Electronics), 27 (Electrical) and 28 (Mechanical)	<b>OECD</b>	Organisation for Economic Co-operation and Development
<b>FTSE 100</b>	Index composed of the 100 largest companies listed on the London Stock Exchange	<b>ONS</b>	Office for National Statistics
<b>G7</b>	Group of seven countries consisting of Canada, France, Germany, Italy, Japan, UK & US	<b>PPI</b>	Producer Price Index
<b>GAMBICA</b>	Trade Association for Instrumentation, Control, Automation and Laboratory Technology	<b>REA</b>	The Renewable Energy Association
<b>GDP</b>	Gross Domestic Product	<b>RMI</b>	Repairs, Maintenance & Infrastructure
<b>HMRC</b>	HM Revenue & Customs	<b>ROW</b>	Rest of the World
<b>IOM</b>	Index of Manufacturing	<b>RPI</b>	Retail Price Index
		<b>SIC</b>	Standard Industry Classification
		<b>SITC</b>	Standard International Trade Classification
		<b>USD</b>	US Dollar
		<b>YOY%</b>	Year on Year or Annual Percentage change
		<b>YTD</b>	Year to date

# 1 Exchange Rates & Stock Market

Sterling dropped against the **US Dollar** in the past two weeks to finish at 1.3157/GBP at the end of week 26. The month-to-date rate was 1.3% below May 2018, 3.9% above June 2017 and 8.6% below May 2016 (pre-brexit vote).

Sterling also dropped against the **Euro**, to finish at 1.1286/GBP at the end of week 26. The month-to-date rate was 0.1% below from May 2018 and also 0.1% below June 2017 but has declined by 11.5% since May 2016.

**FTSE 100** remained strong but gained only 3 points in the past 2 weeks to finish at 7637 at the end of the week 26. The month-to-date average was 0.4% below May 2018, 2.6% above June 2017 and 24.2% above May 2016.

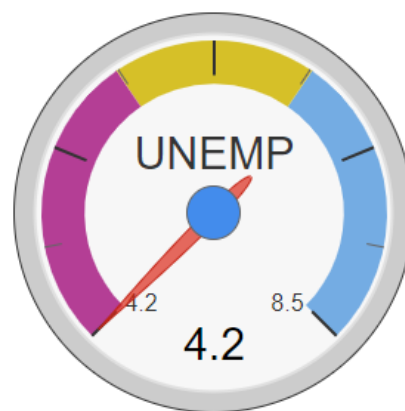
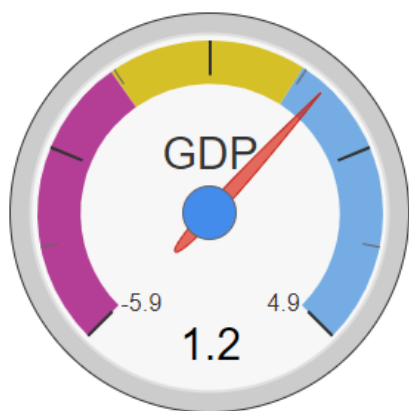
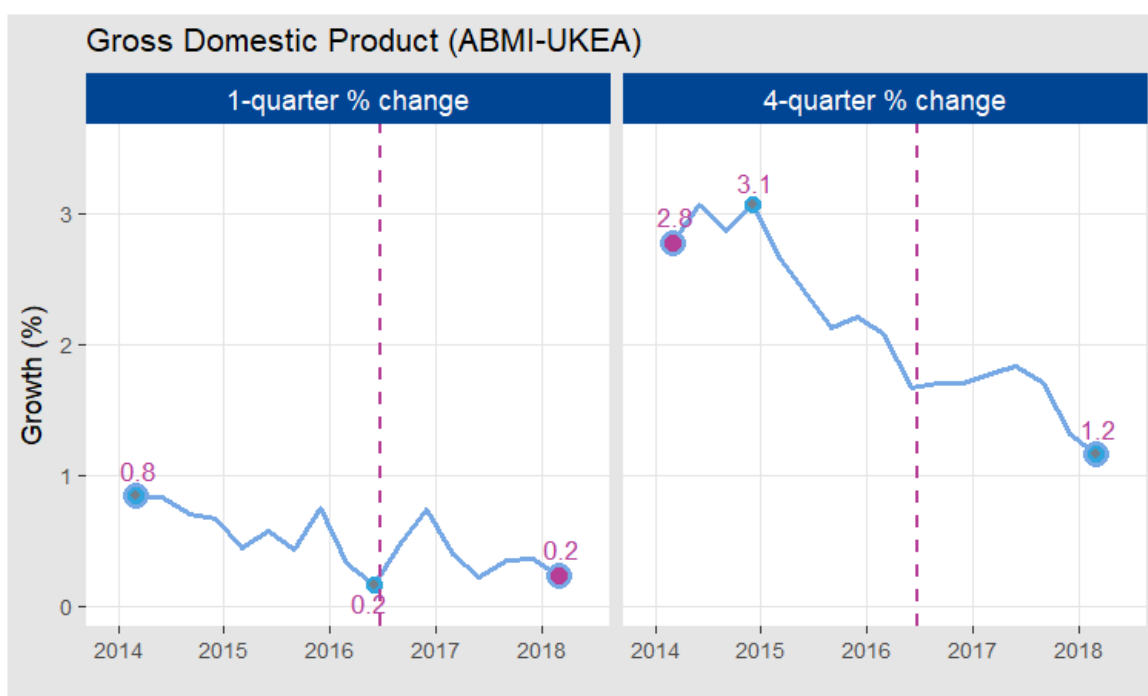


[Gauge charts: Daily exchange rates and closing stock values since January 1999]

## 2 GDP & Unemployment

The final estimate of **GDP** growth, for 2018 Q1 was revised up to 0.2% from 0.1%. The revised estimate was equivalent to £504 billion and a growth of 1.2% compared to 2017 Q1. It is the lowest 4-quarter growth since 2012 Q2. Services and production grew on previous quarter but construction contracted for a fourth quarter in a row.

The number of people in work increased by 440 thousand to 32.39 million in the three months to April 2018 compared to a year earlier. The number of people unemployed decrease by 115 thousand to 1.42 million in the same period. **Unemployment** rate remained 47-year low at 4.2%.

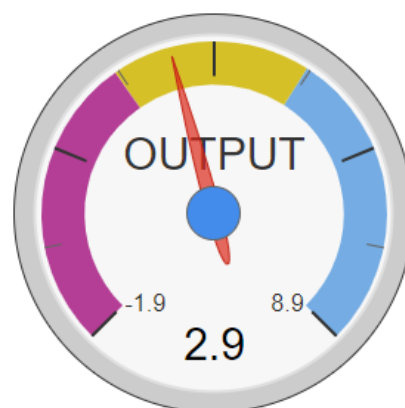
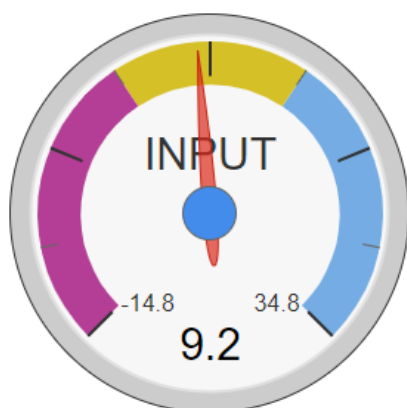
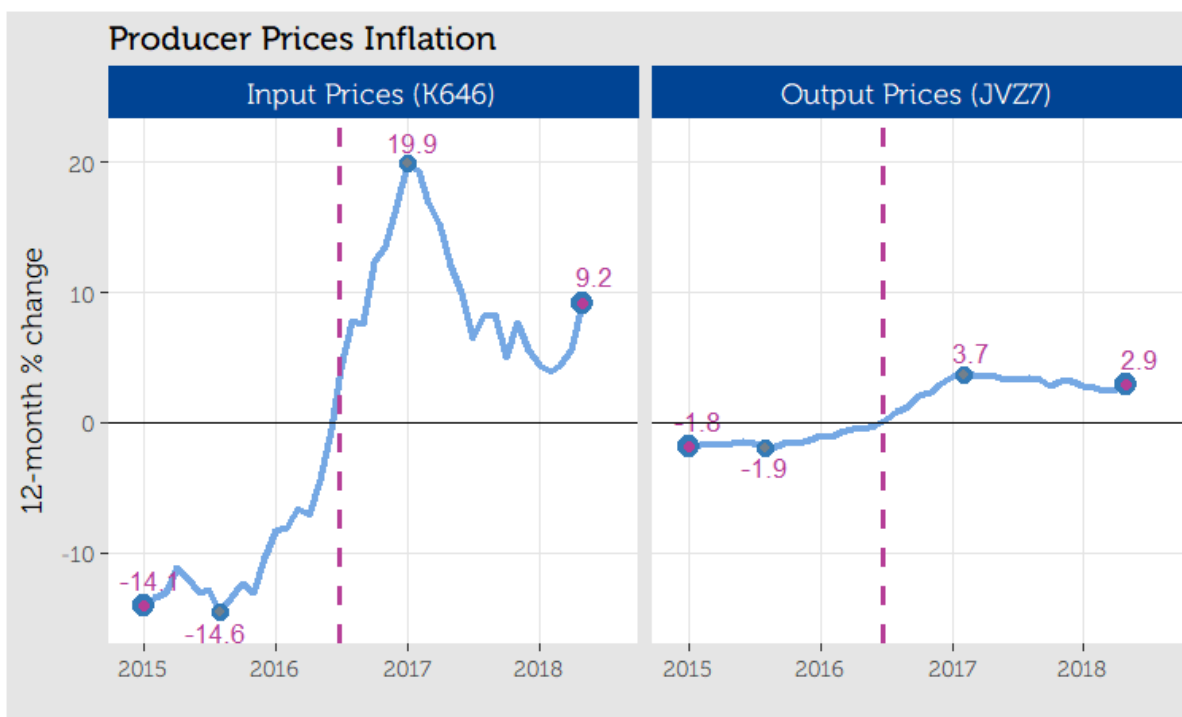


[Gauge Charts: GDP = 4-quarter % change since Jan 2000, UNEMP = Unemployment rate since 2000 ]

### 3 Producer Prices

The **input prices** index for all manufacturing reached 19-month high at 2.8% in May 2018 and a rise of 9.2% compare to twelve months earlier. The main drivers for the increase were crude oil and imported metals. Input prices index has increased by 22.5% since May 2016.

**Factory gate** (Output) prices for all manufacturing rose by 0.4% in May 2018 and also rose by 2.9% compared to May 2017. It is the highest 1-month growth since October 2016 and has grown by 6.6% since May 2016.



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

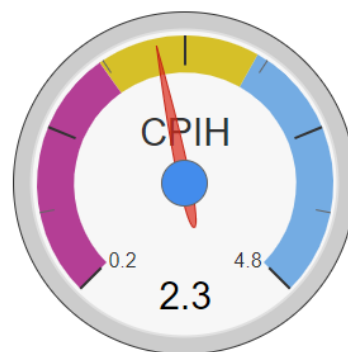
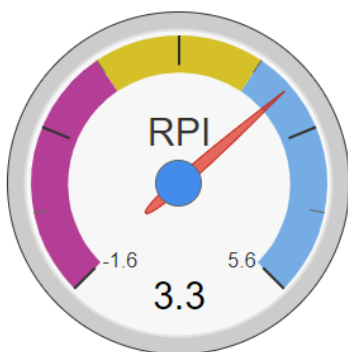
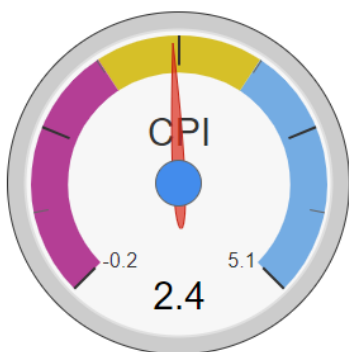
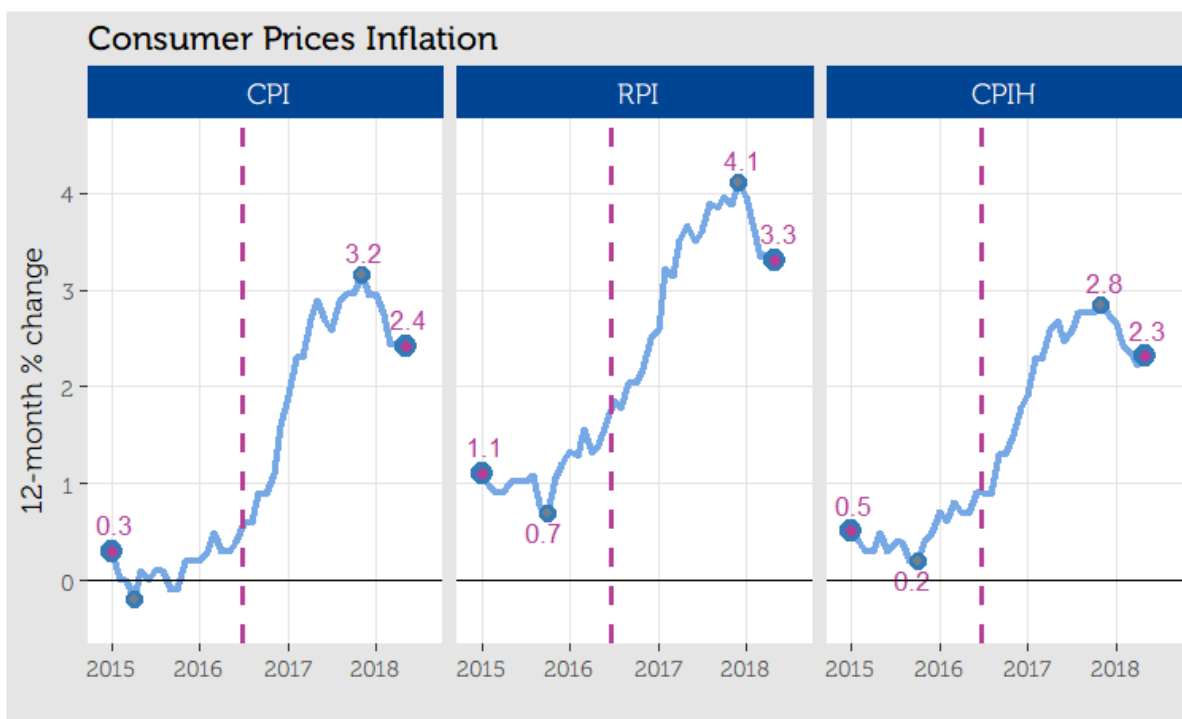


## 4 Consumer Prices

**Consumer price index (CPI)** rose by 0.4% in May 2018 and also grew by 2.4% compared to a year earlier. It is the lowest 12-month growth since March 2017 but has grown by 5.4% since May 2016. Price increases in transport due to rising motor fuel prices was the main driver.

The **retail price index (RPI)** rose by 3.3% in the twelve months to May 2018, down from 3.4 in the previous month. RPI has grown by 7.1% since May 2016.

**CPI including owner's occupying (CPIH)** rose by 2.3% in the twelve months to May 2018. CPIH has grown by 5.1% since May 2016.



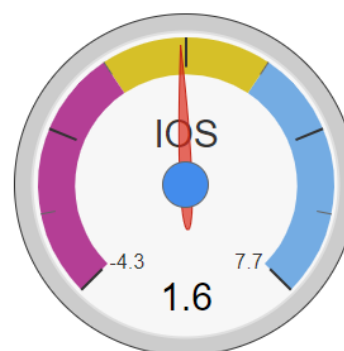
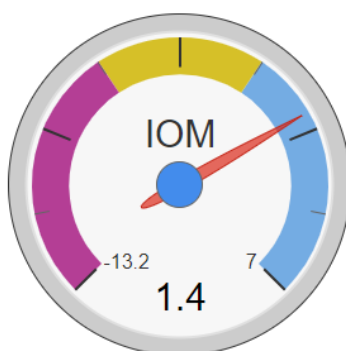
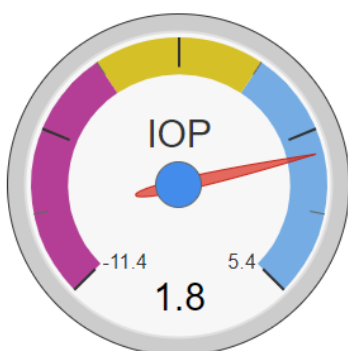
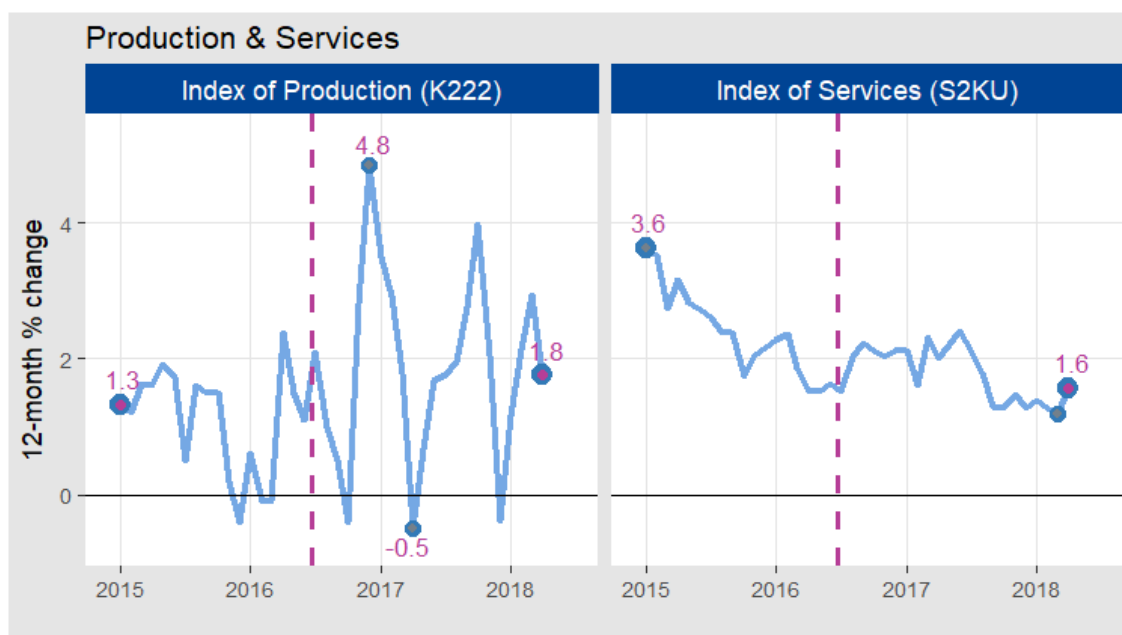
[Gauge Charts: 12-month % change since Jan 2000; CPIH data starts from Jan 2005]

## 5 Production & Services

**Index of production (IOP)** in April 2018 declined by 0.8% from previous month but grew by 1.8% compared to twelve months earlier. All sectors with exception of Mining & Quarrying declined from previous month.

**Index of manufacturing (IOM)** fell by 1.4% in April 2018 but rose by 1.4% compared to twelve months earlier. Drivers for the 1-month decline include fabricated metals, computer electronics and repairs. IOM has grown by 2.5% since May 2016.

**Index of services (IOS)** rose by 0.3% April 2018 also rose by 1.6% compared to a 12 months earlier. Business services and transport were the main drivers behind the 12-month growth. IOS has grown by 2.7% since May 2016.

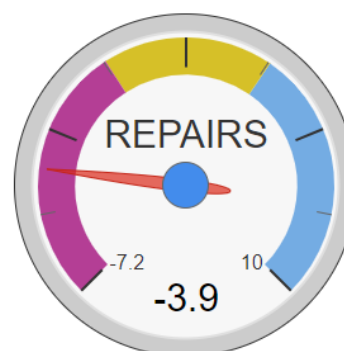
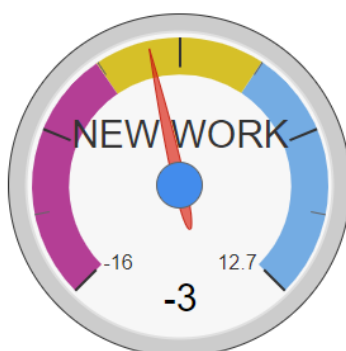
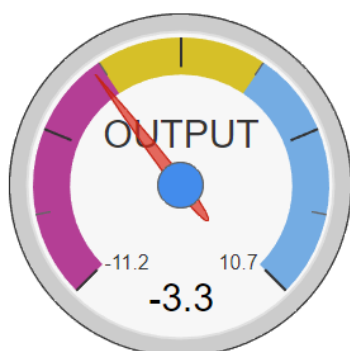
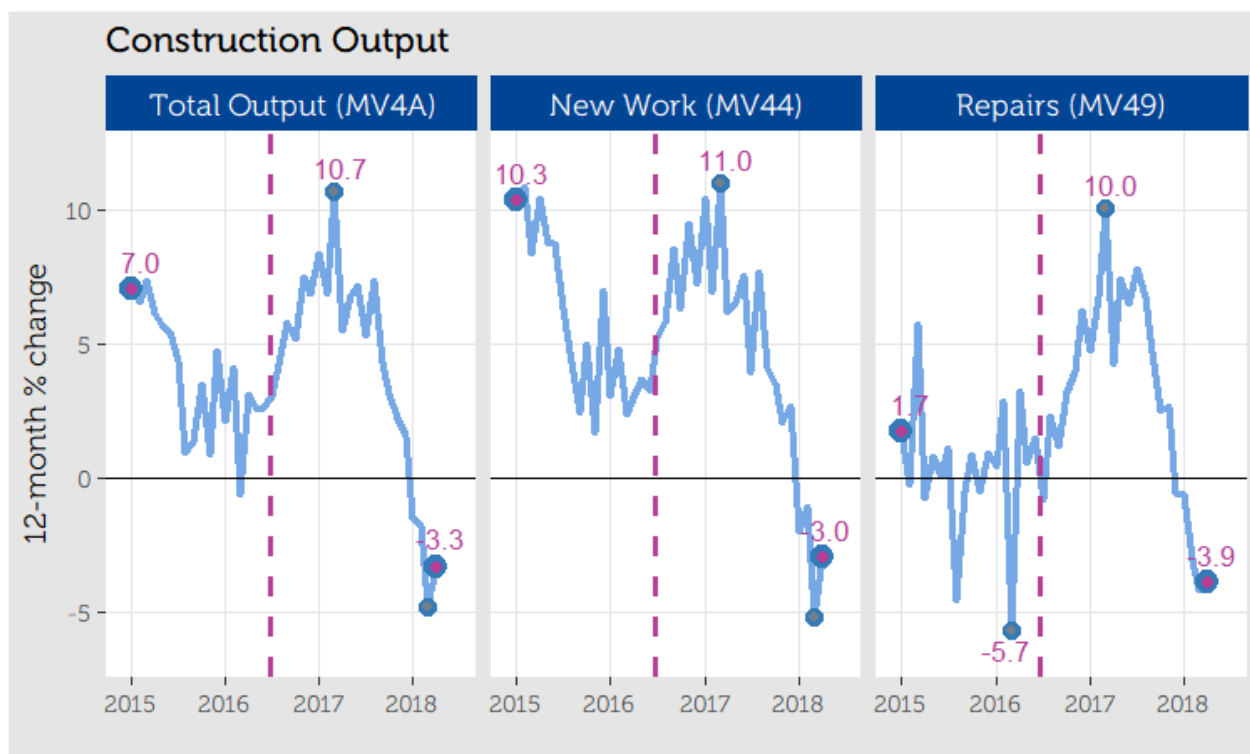


[Gauge Charts: 12-month % change since Jan 2000 ]

## 6 Construction

Total **construction output**, at constant prices, rose by 0.5% in March 2018 to £12.6 billion but fell by 3.3% compared to twelve months earlier. It is the first month on month growth after 3 successive declines. Construction output has grown by 2.9% since May 2016.

**New construction** work, rose by 0.7% to £8.1 billion in April 2018 and **construction repairs** also rose by 0.3% to £4.4 billion in the same period. Compared to twelve months earlier, new construction work fell by 3.0% and repairs also fell by 3.9%.

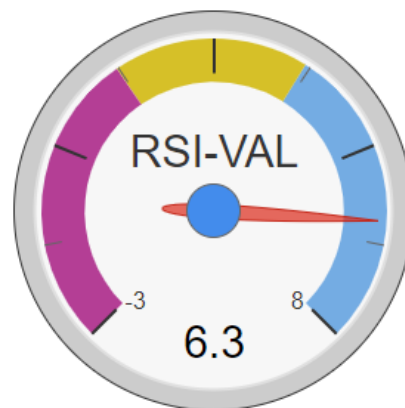
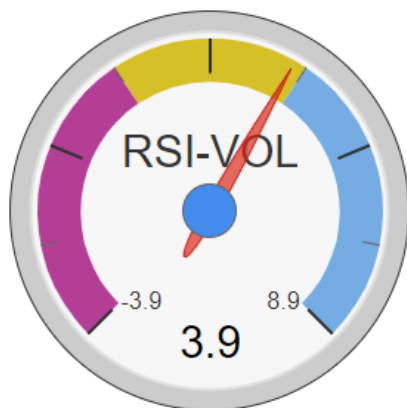
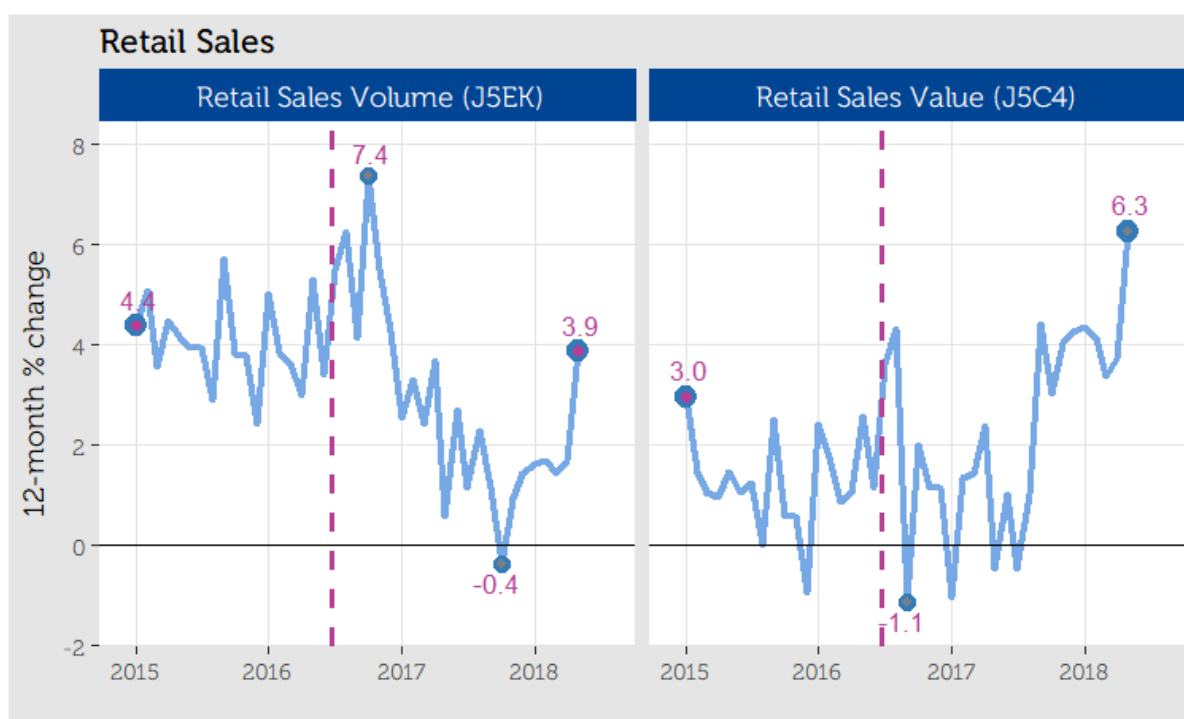


[Gauge Charts: 12-month % change since Jan 2010, OUTPUT = Total Construction Output, NEW WORK = Total Construction New Work, REPAIRS = Total Repairs, Maintenance and Infrastructure]

## 7 Retail Sales

The **volume of retail sales** (including fuel) rose by 1.3% in May 2018 and also grew by 3.9% compared to twelve months earlier. It is the highest 12-month growth since December 2016. Boost in food and household goods sales were attributed to good weather and Royal Wedding celebrations. Retail volume has grown by 4.5% since May 2016.

The **value of retail sales** (including fuel) rose by 1.6% in May 2018 and also grew by 6.3% compared to 12 months earlier. It is the highest 12-month growth since April 2014 and has grown by 5.8% since May 2016.

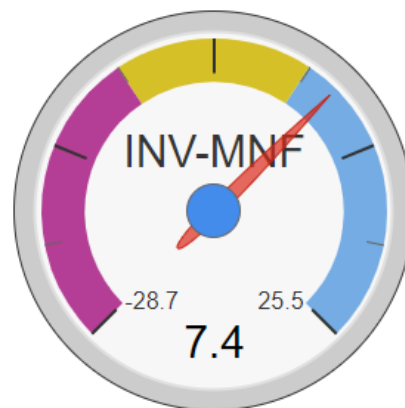
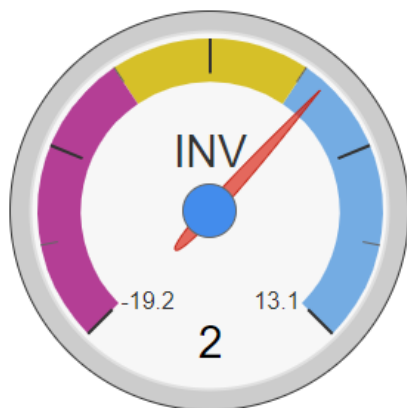
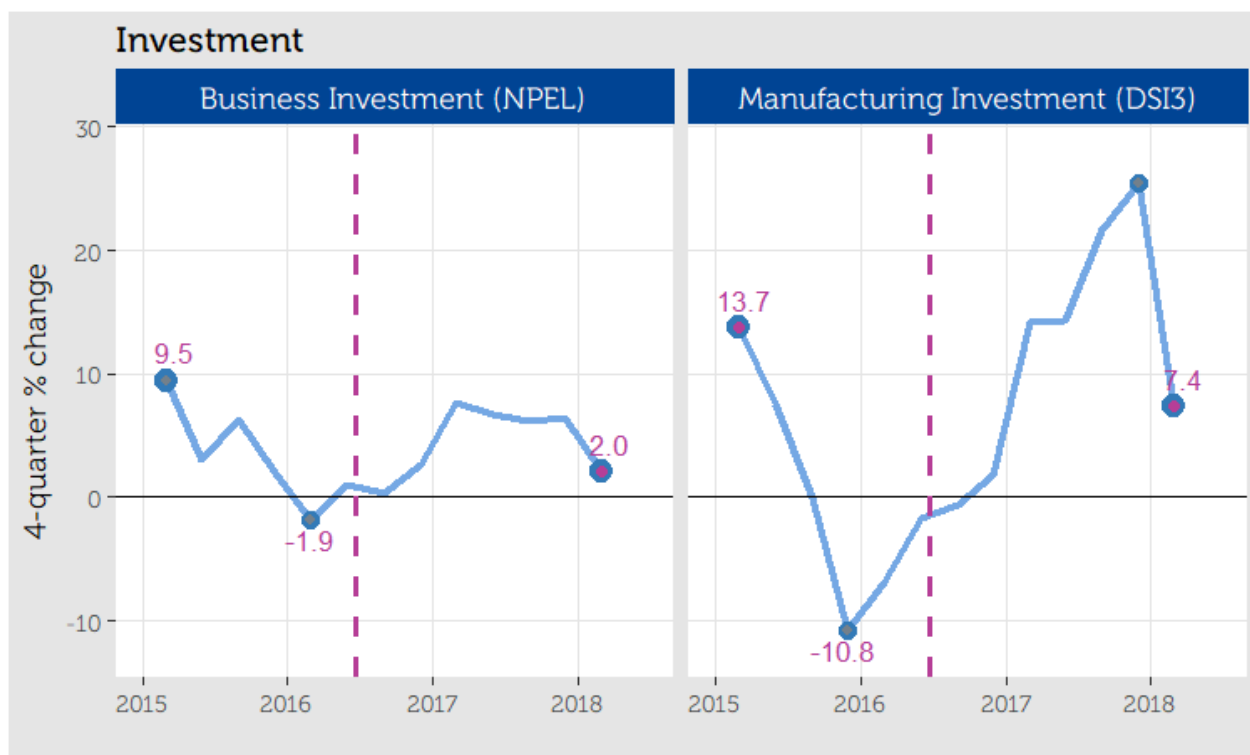


[Gauge Charts: 12-month % change since Jan 2000]

## 8 Business Investment

**Business investment** growth for all industries (INV), in volume terms, declined by 0.4% in 2018 Q1 but rose by 2.0% compared to a year earlier. It is the lowest 1-quarter growth since 2016 Q1 but has grown by 3.5% since 2016 Q3.

Investment in **manufacturing industries** (INV-MNF), in volume terms, fell by 1.2% in 2018 Q1 but grew by 7.4% compared to 2017 Q1. It is the lowest 1-quarter growth since 2016 Q3 and has grown by 3.5% since 2016 Q2



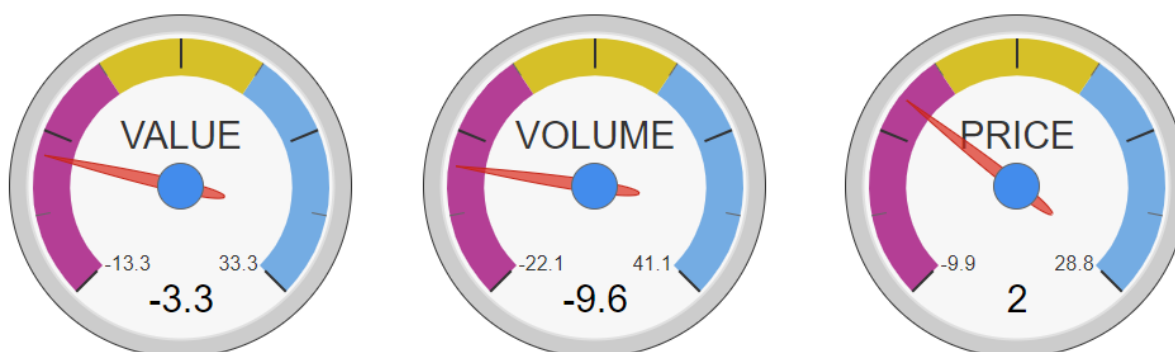
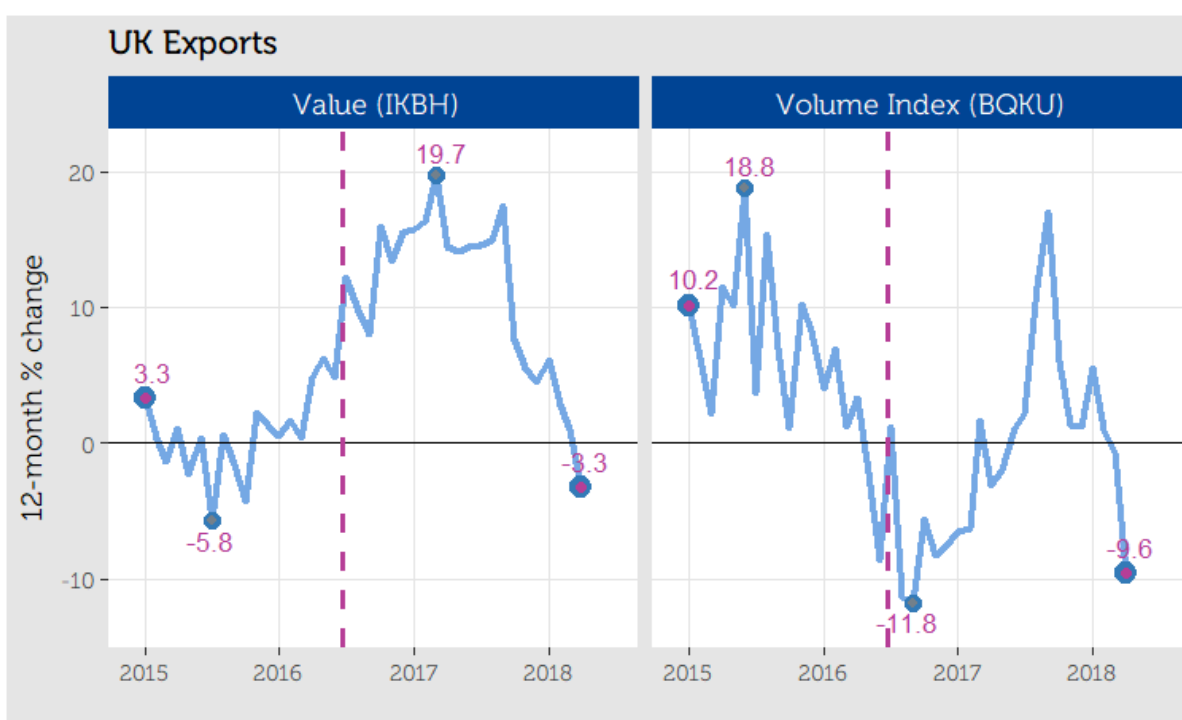
[Gauge Charts: 4-quarter % change since 2007 ]

## 9 UK Trade

### 9.1 Exports

The **value** of UK **exports** fell by 3.2% in April 2018 and also fell by 3.3% compared to April 2017. Exports of **goods** fell by 7.5% to £ 26.9 billion but exports of **services** increased by 2.1% to £ 23.1 billion in April 2018 compared to twelve months earlier. It is the lowest 12-month growth since October 2015.

**Volume** of UK **exports** fell by 6.1% in March 2018 and also fell by 9.6% compared to twelve months earlier. Export volume has declined by 9.6% since May 2016.

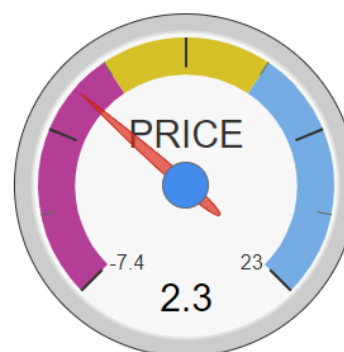
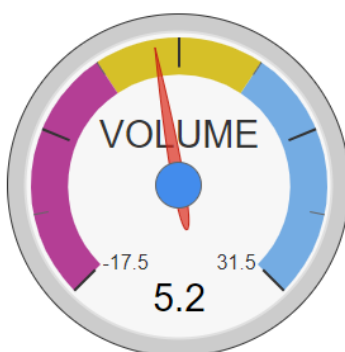
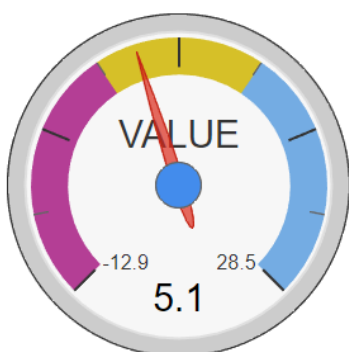
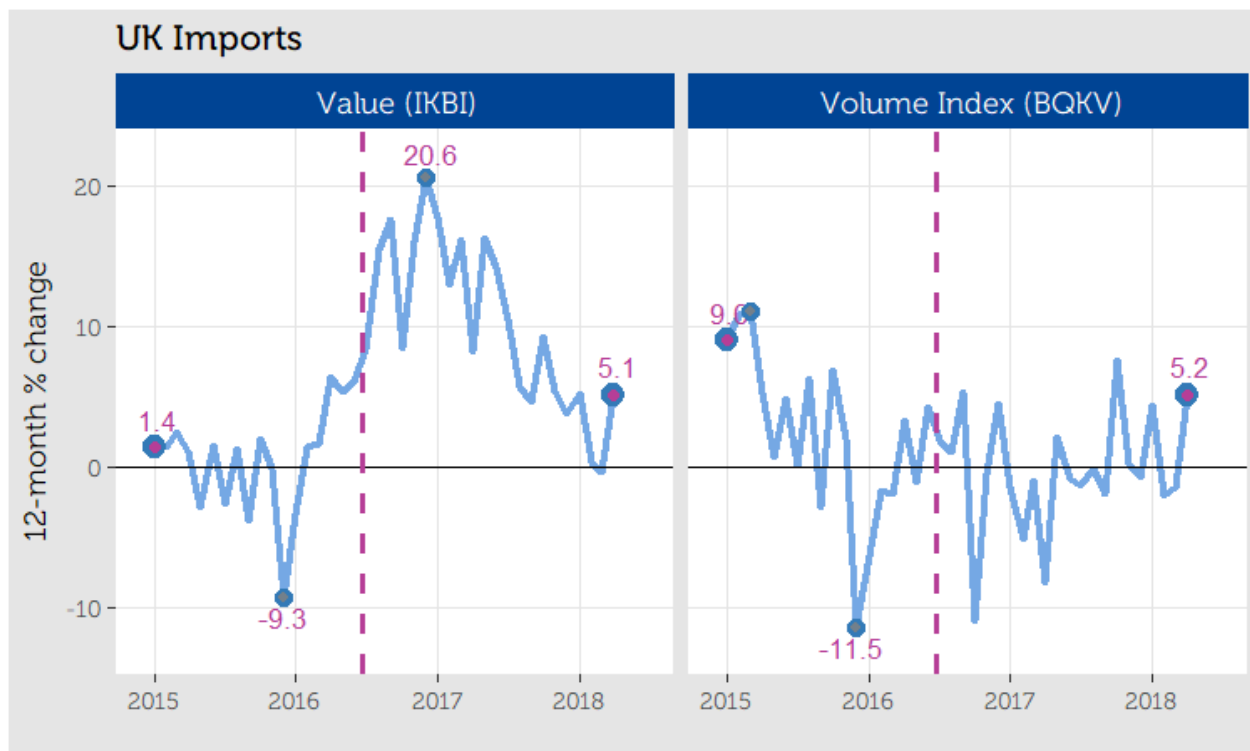


[Gauge Charts: 12-month % change since Jan 2000, VALUE = Total Export Value, VOLUME = Export Volume Index, PRICE = Export Price Index]

## 9.2 Imports

The **value** of UK **imports** rose by 0.7% in April 2018 and also grew 5.1% compared to 12 months earlier. Imports of goods increased by 6.8% to £ 40.9 billion and imports of services also increased by 0.6% to £14.4 billion in April 2018 compared to twelve months earlier.

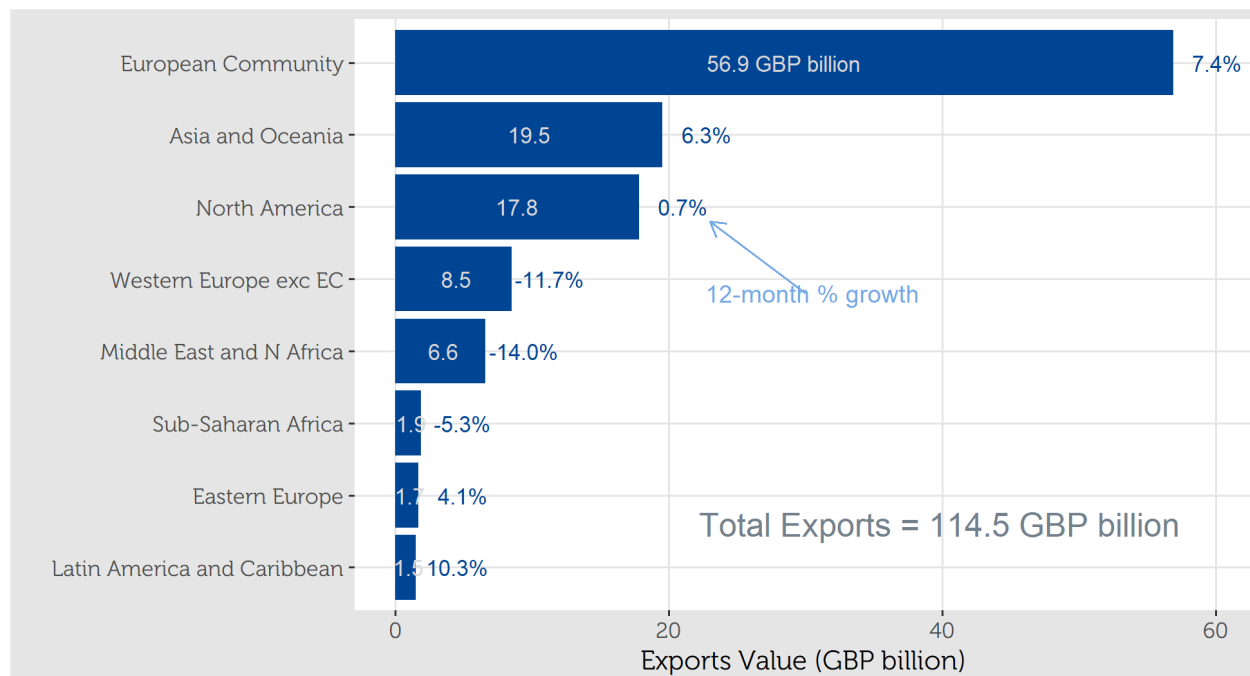
UK **imports** on **volume** basis grew by 0.5% in April 2018 and also grew by 5.2% compared to twelve months earlier. Import volume has increase by 4.8% since May 2016.



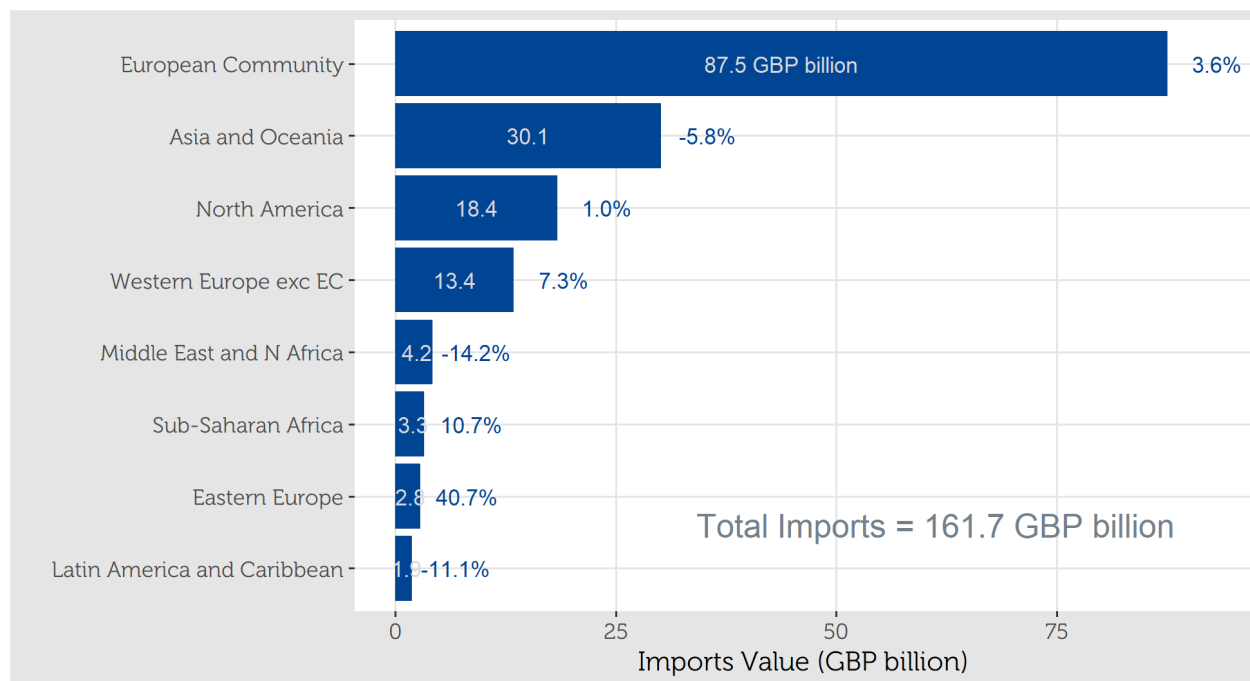
[Gauge Charts: 12-month % change since Jan 2000, VALUE = Total Import Value, VOLUME = Import Volume Index, PRICE = Import Price Index]

## 9.3 Goods Trade: Ranking by Region

### 9.3.1 Exports - 2018 Jan - Apr



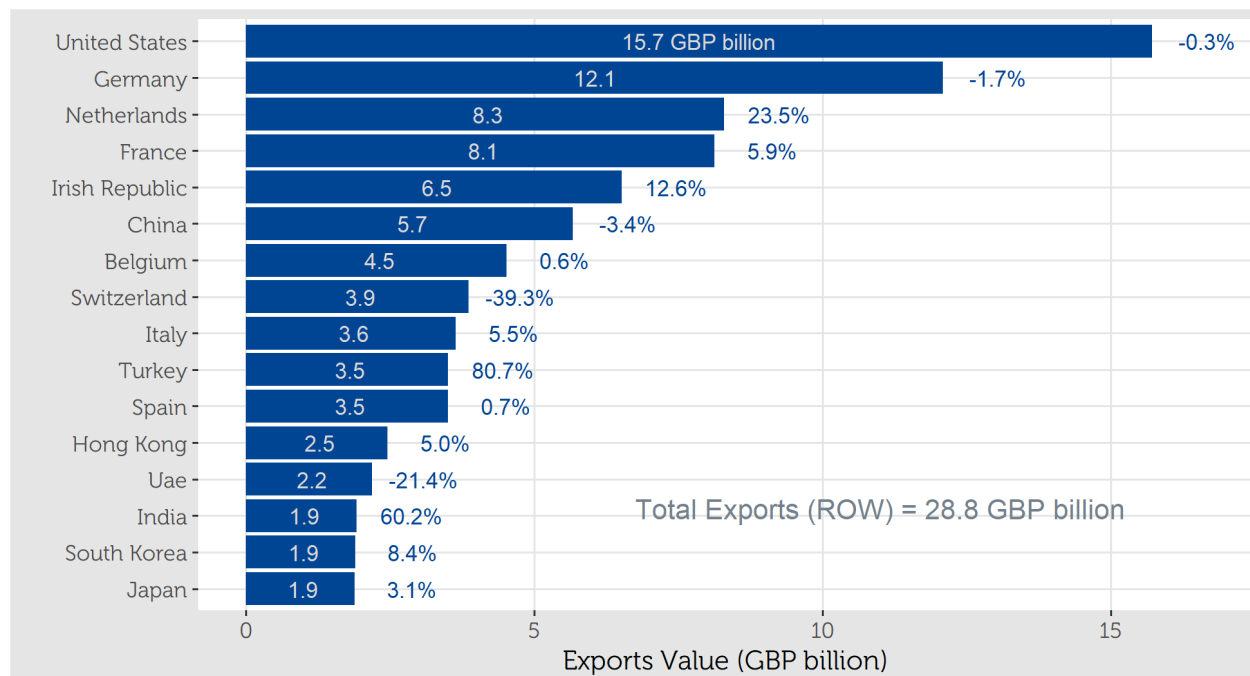
### 9.3.2 Imports - 2018 Jan - Apr



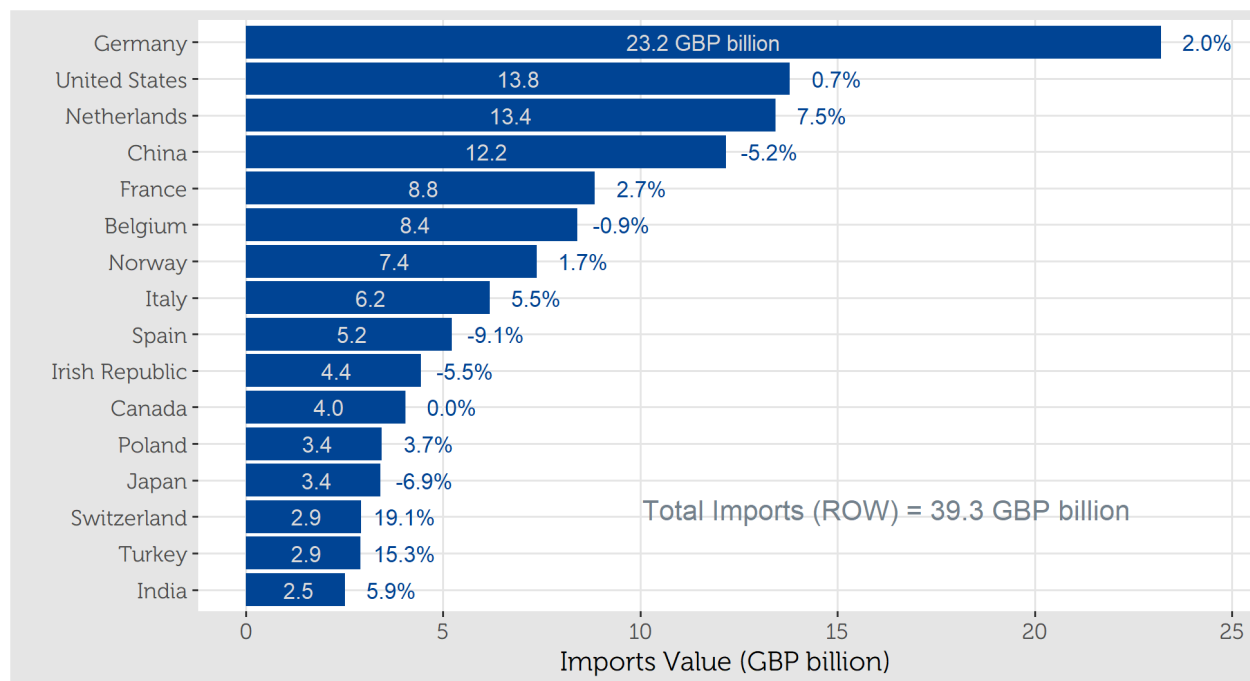


## 9.4 Goods Trade: Ranking by Country - Top 16

### 9.4.1 Exports - 2018 Jan - Apr

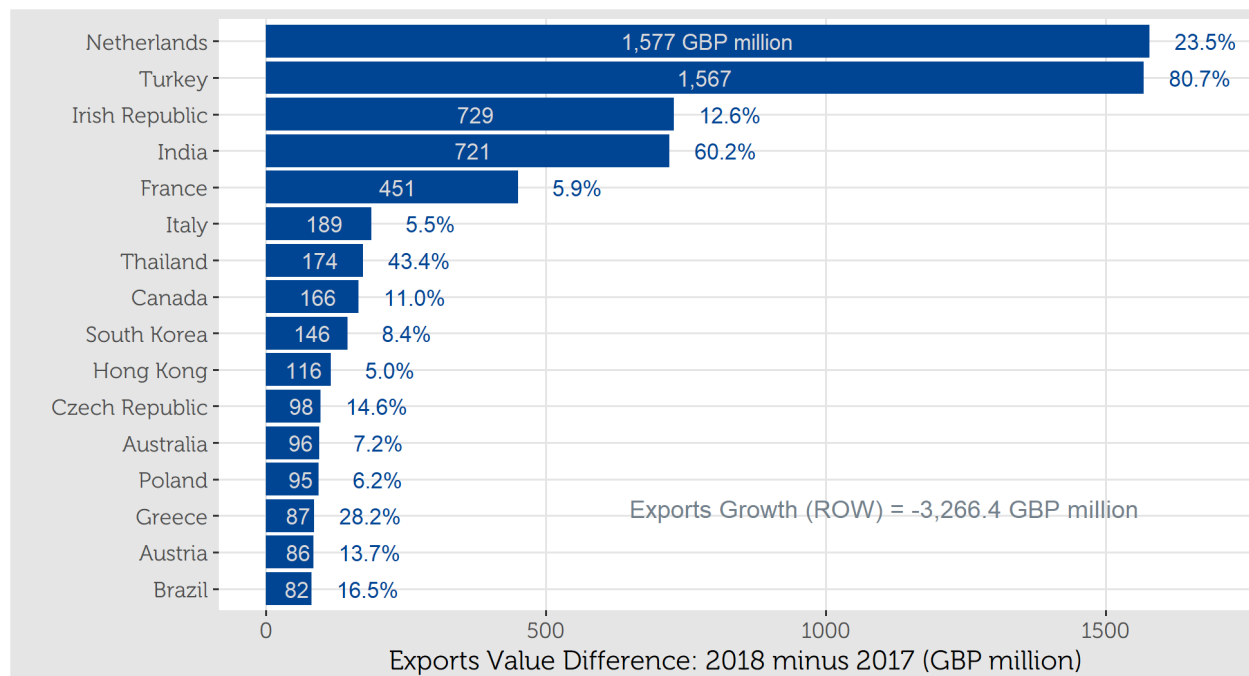


### 9.4.2 Imports - 2018 Jan - Apr

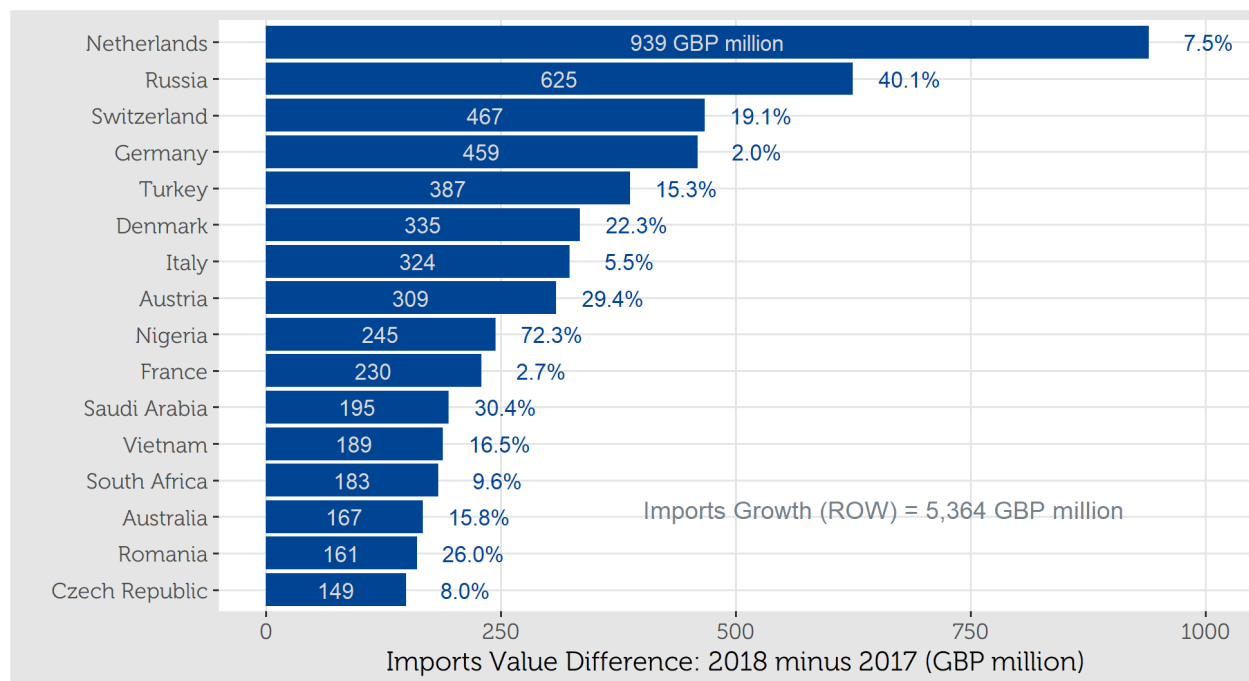


## 9.5 Goods Trade: Growth Ranking by Country - Top 16

### 9.5.1 Exports Value Growth - 2018 Jan - Apr

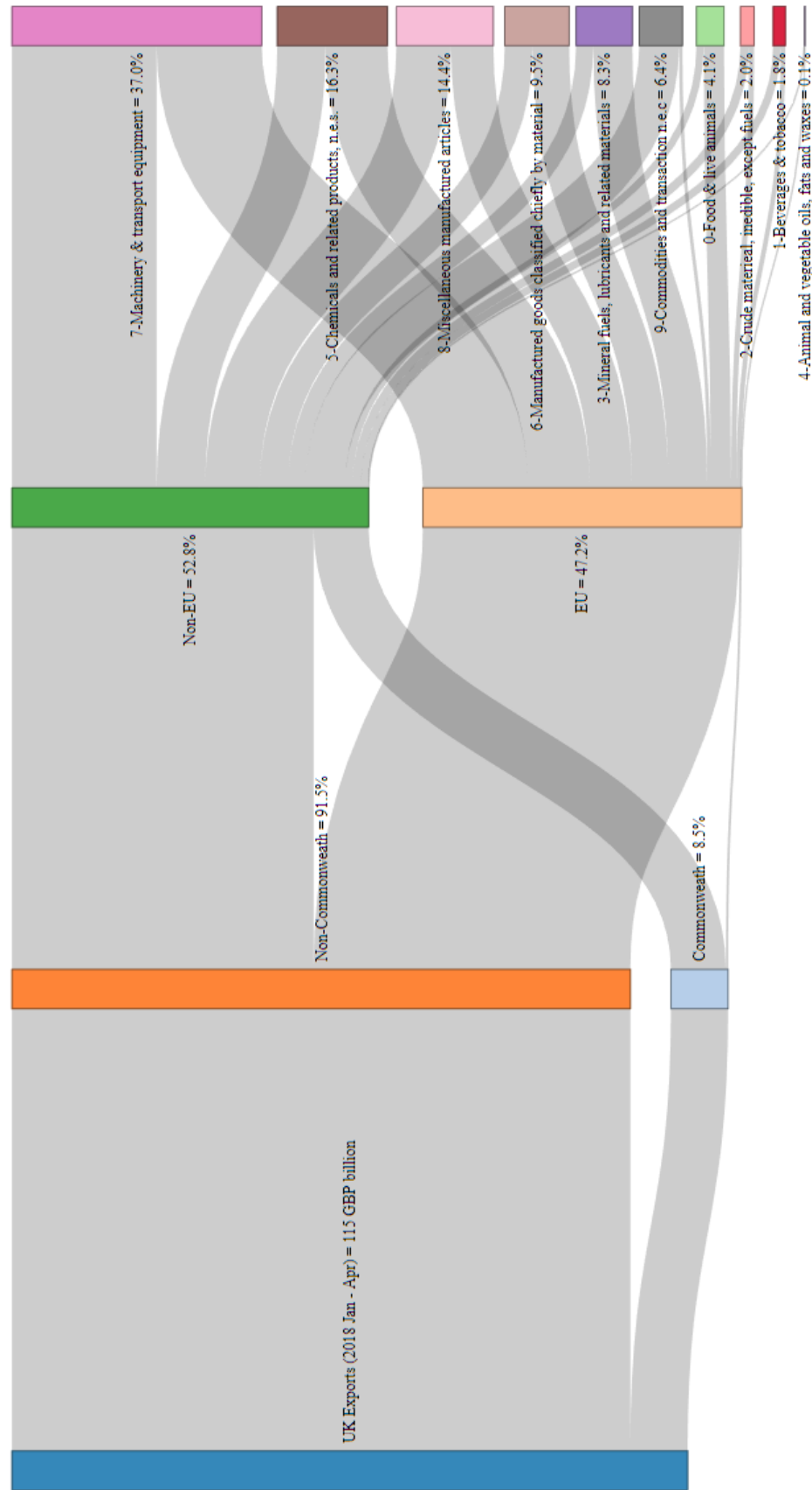


### 9.5.2 Imports Value Growth - 2018 Jan - Apr

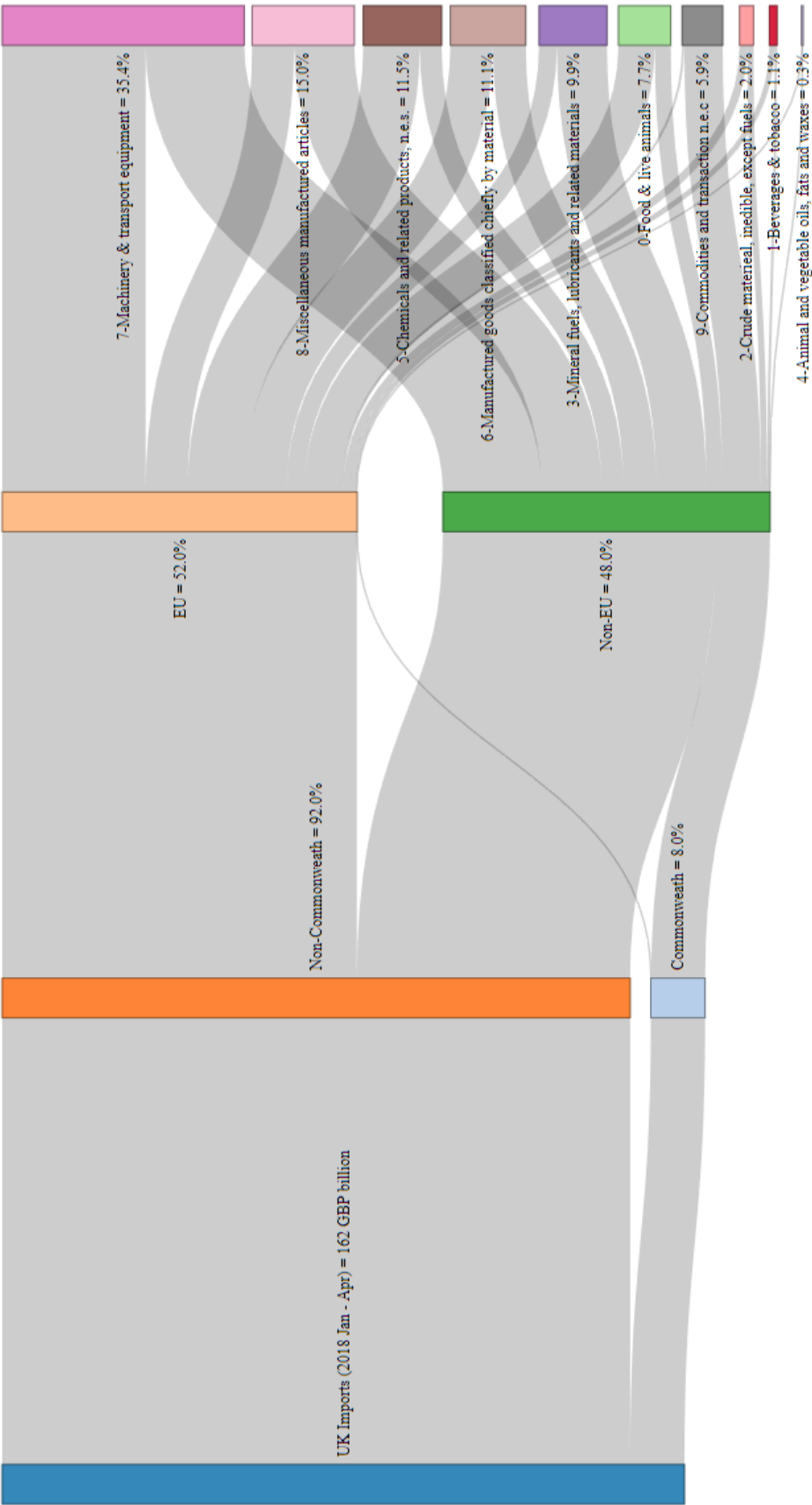


9.6 Goods Trade: EU & Commonwealth by SITC

9.6.1 Exports - 2018 Jan - Apr

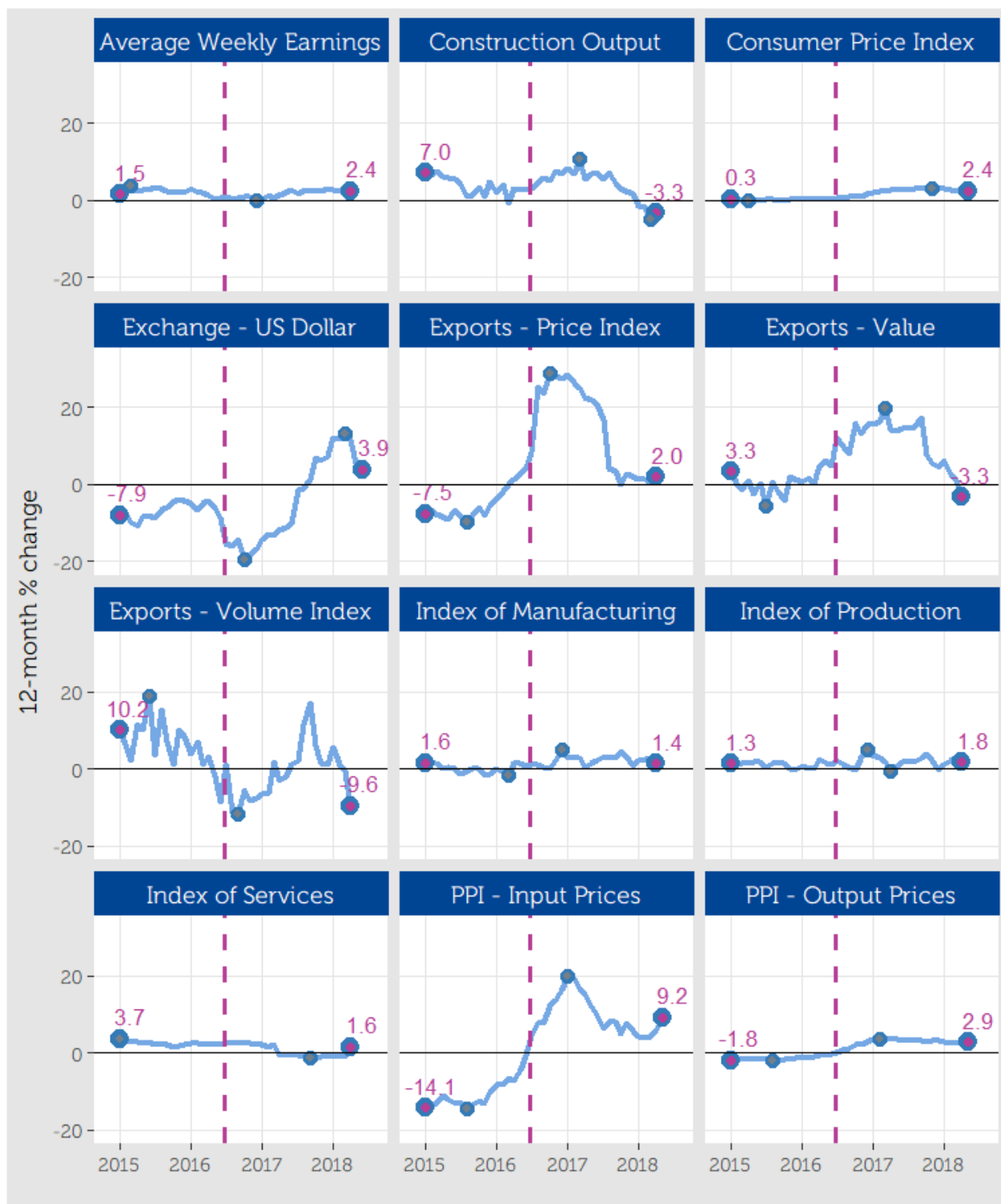


9.6.2 Imports - 2018 Jan - Apr

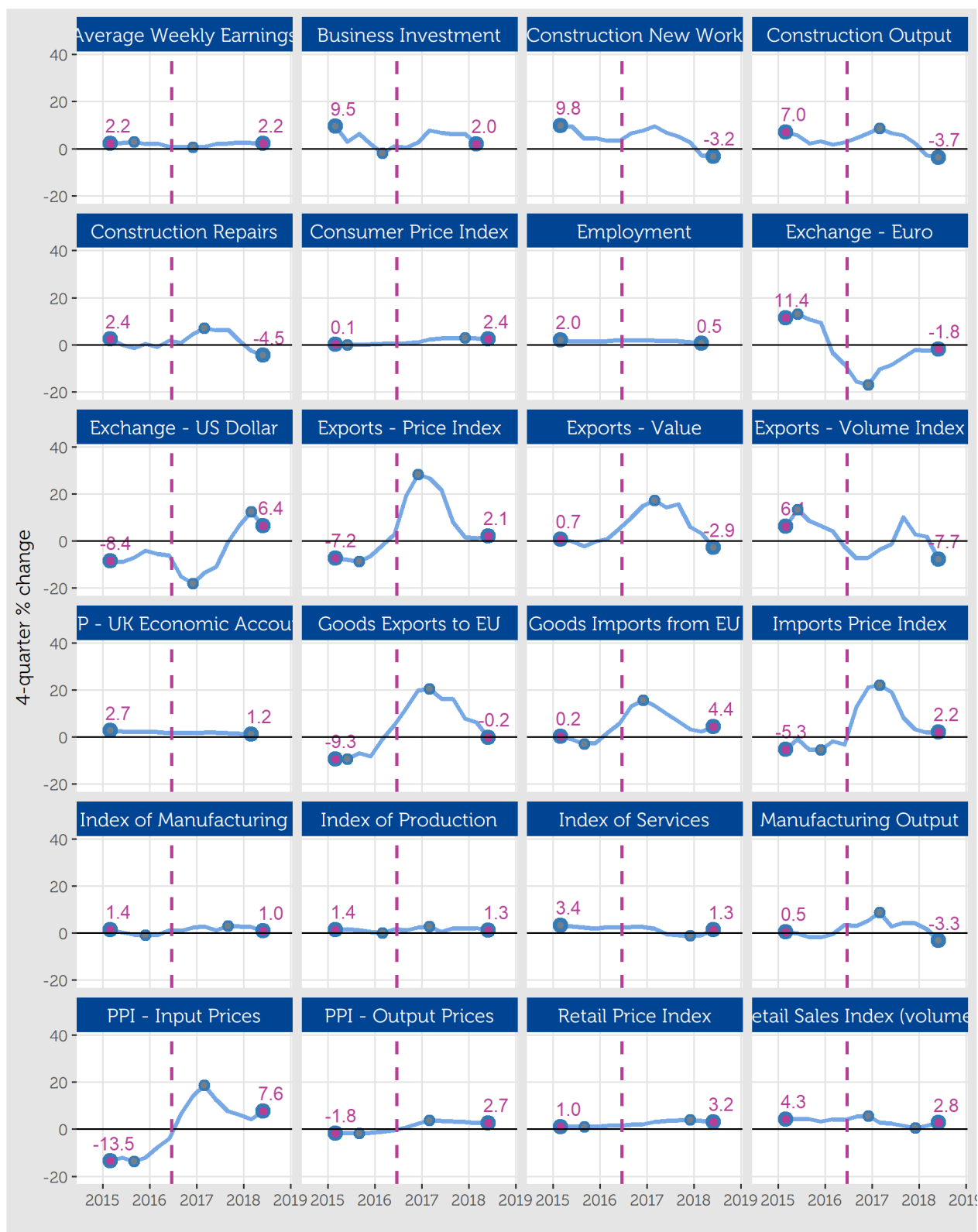


## 10 Economy At a Glance

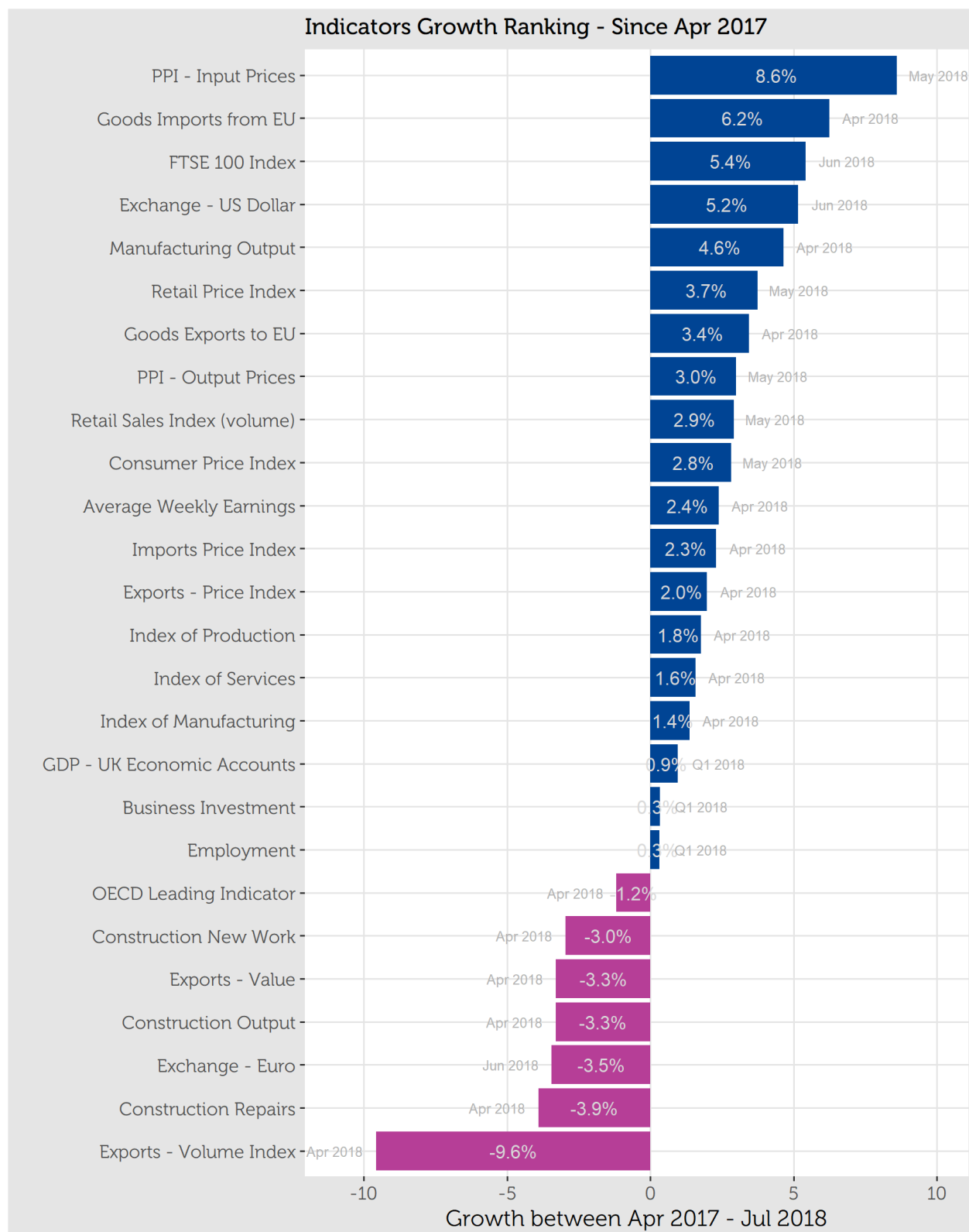
### 10.1 Growth: 12-month % growth



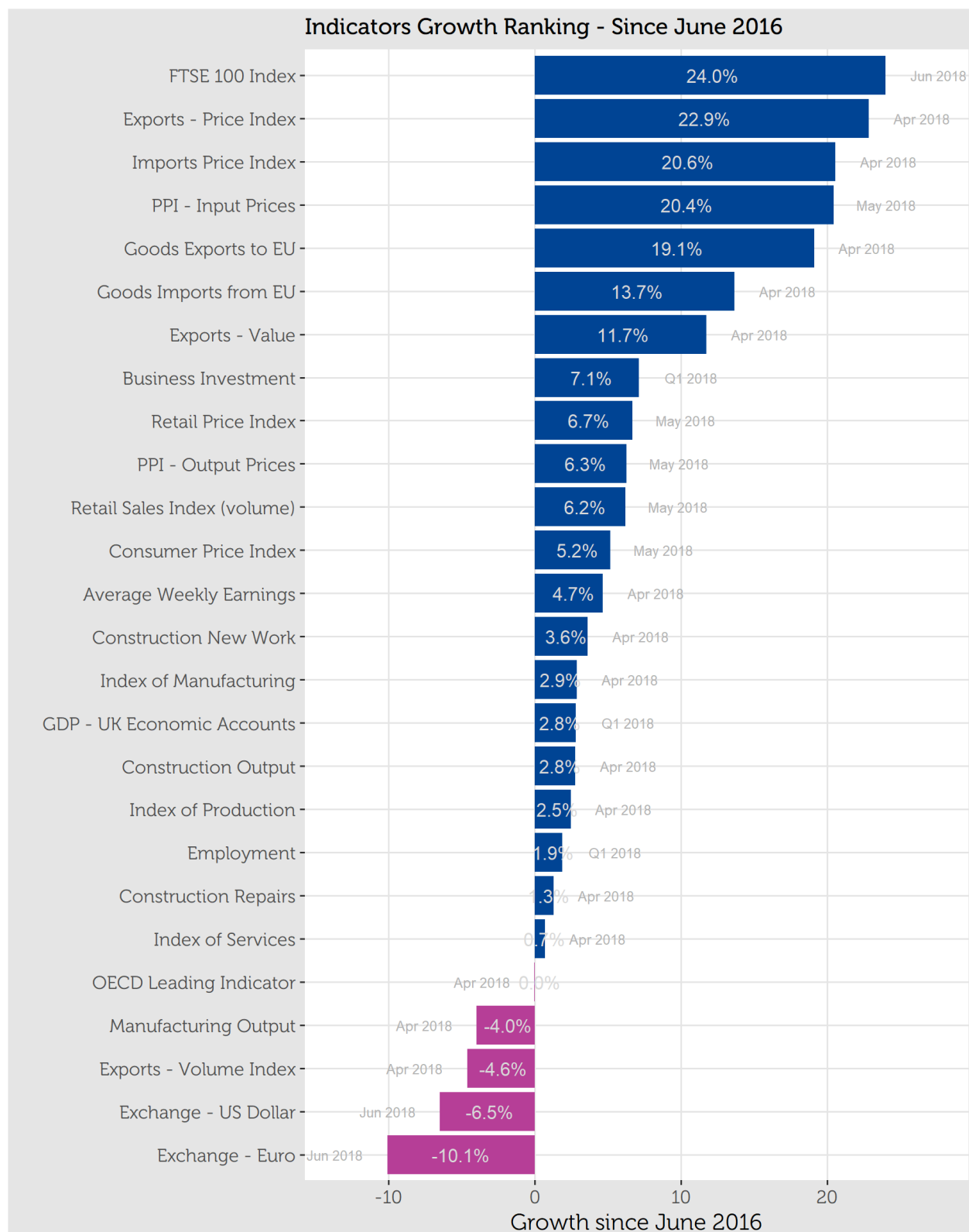
## 10.2 Growth: 4-quarter % growth



## 10.3 Growth Ranking: Since April 2017



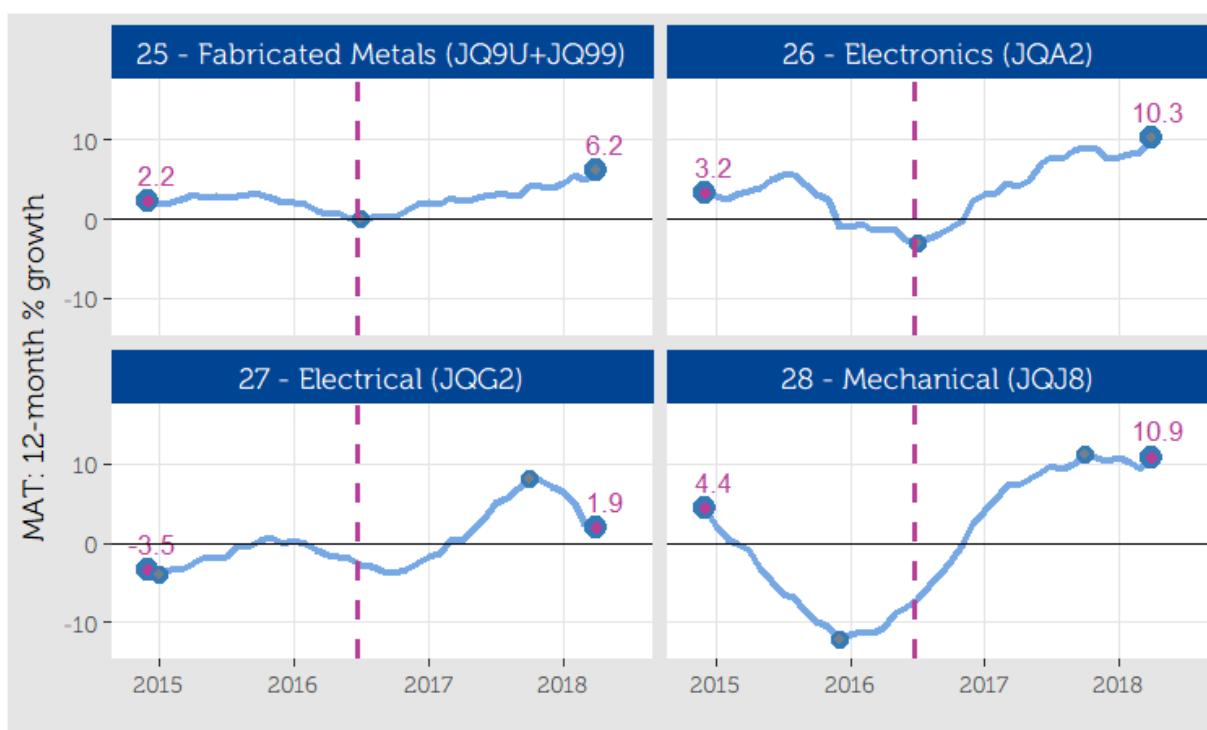
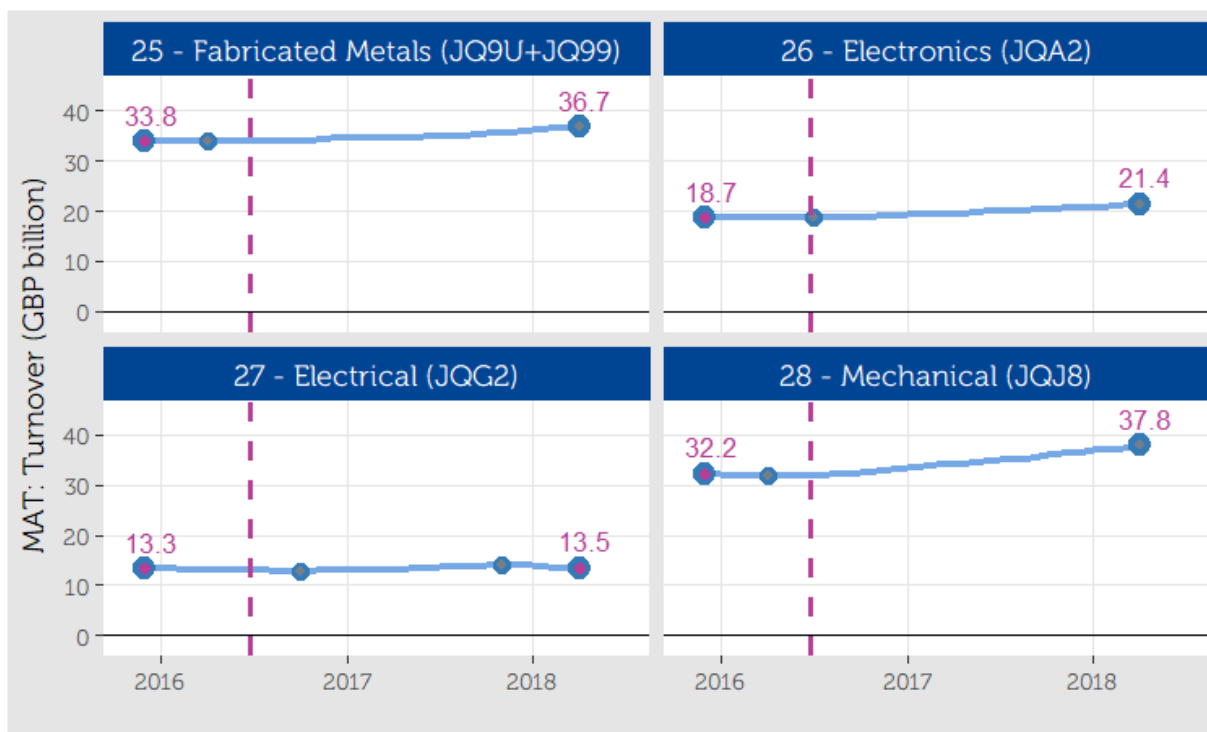
## 10.4 Growth Ranking: Since Referendum Vote



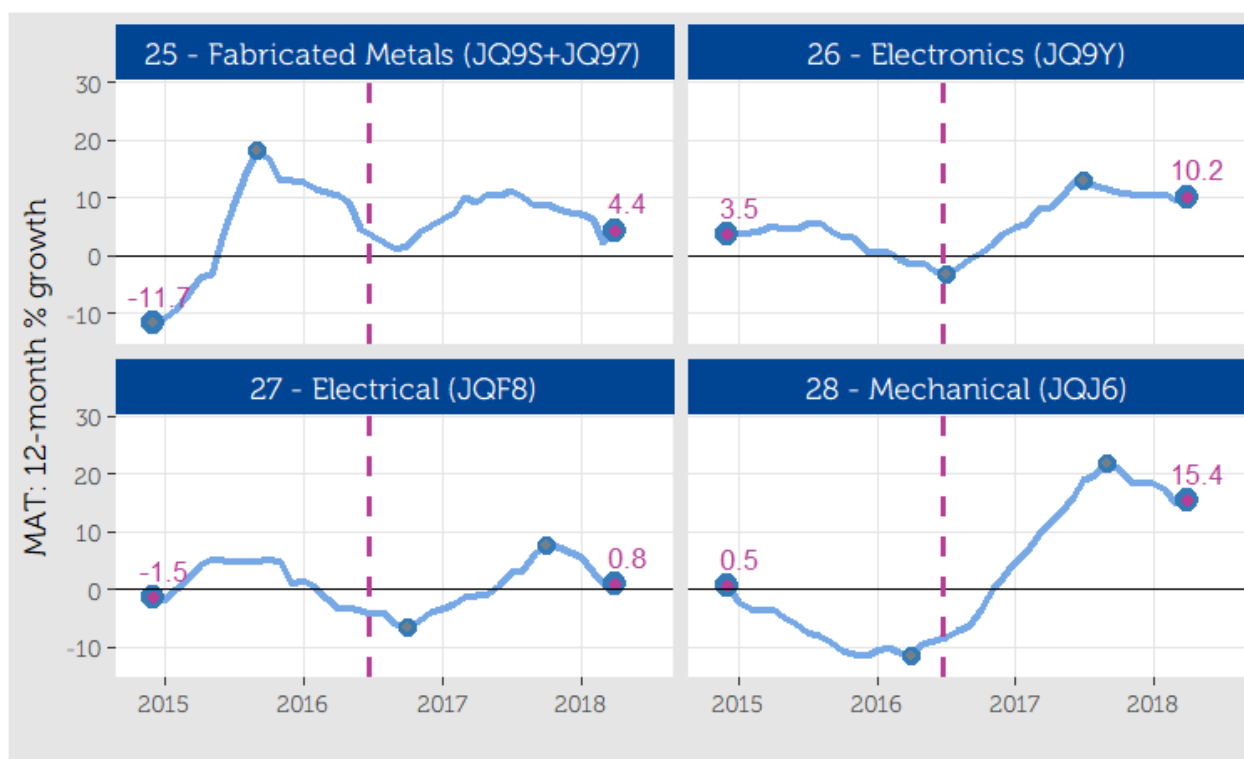
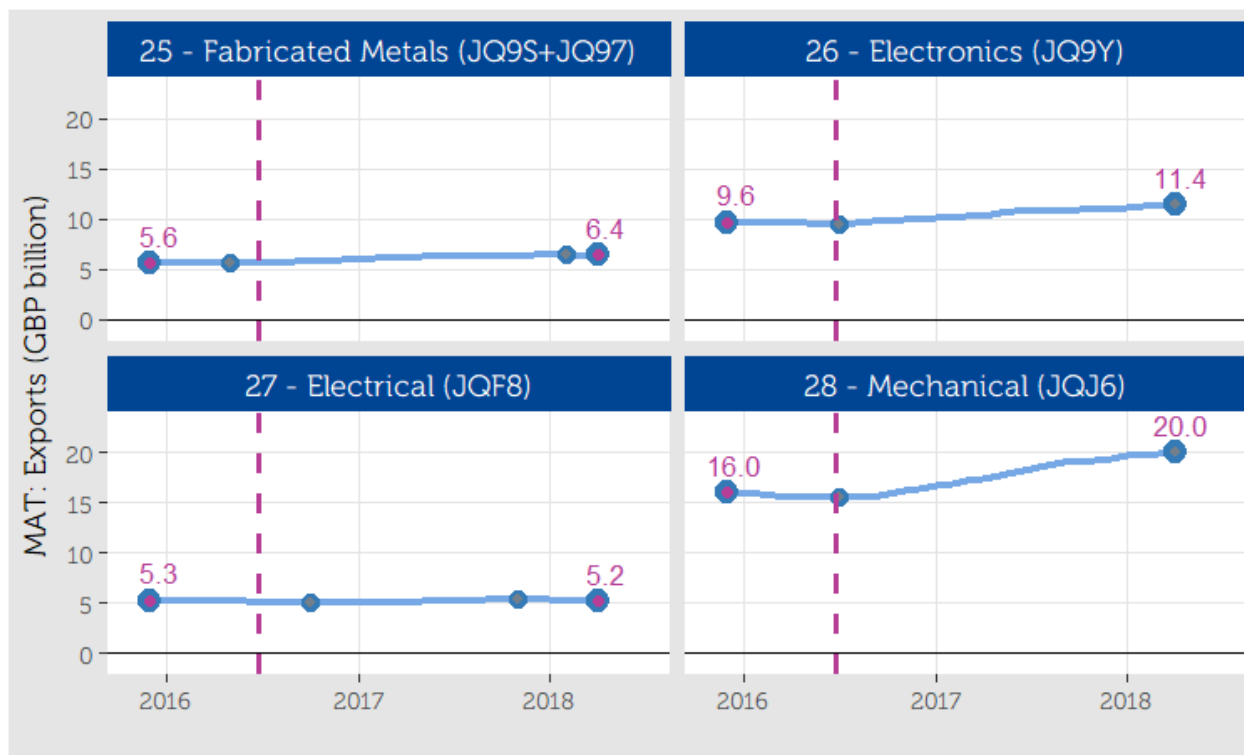


## 11 Industry Level Indicators

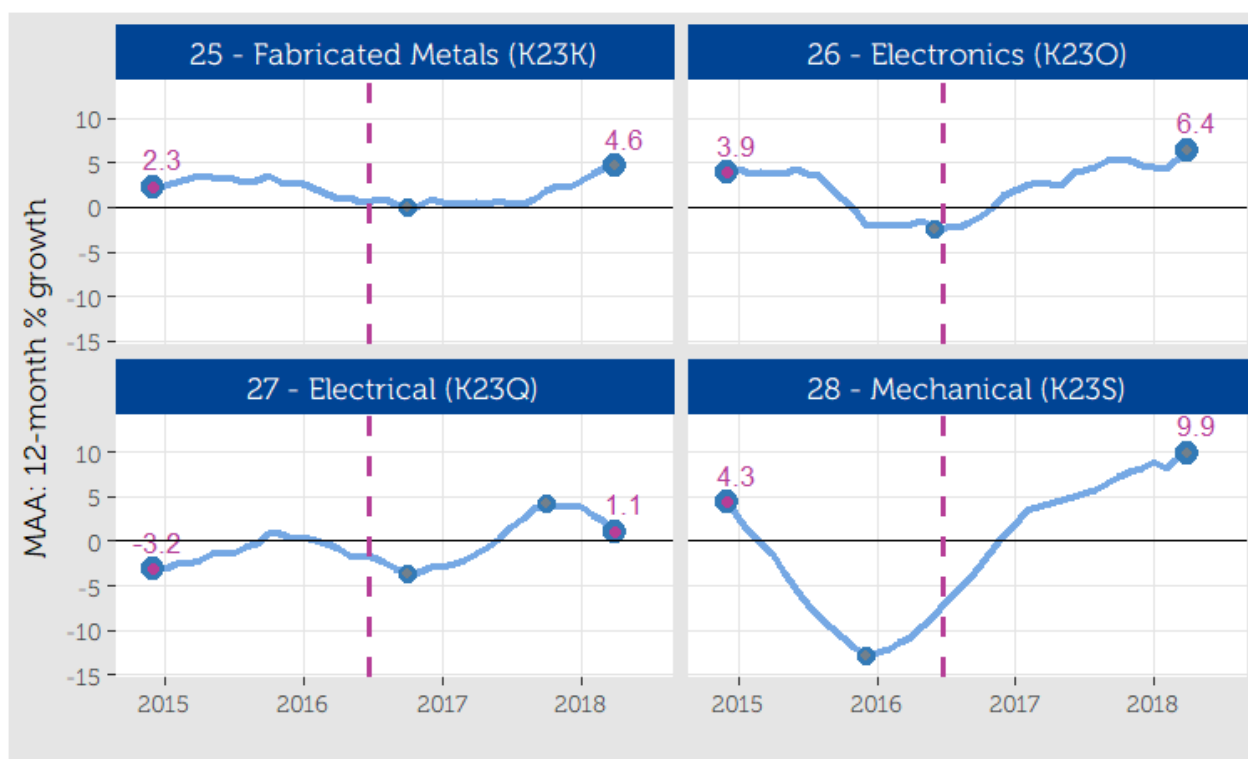
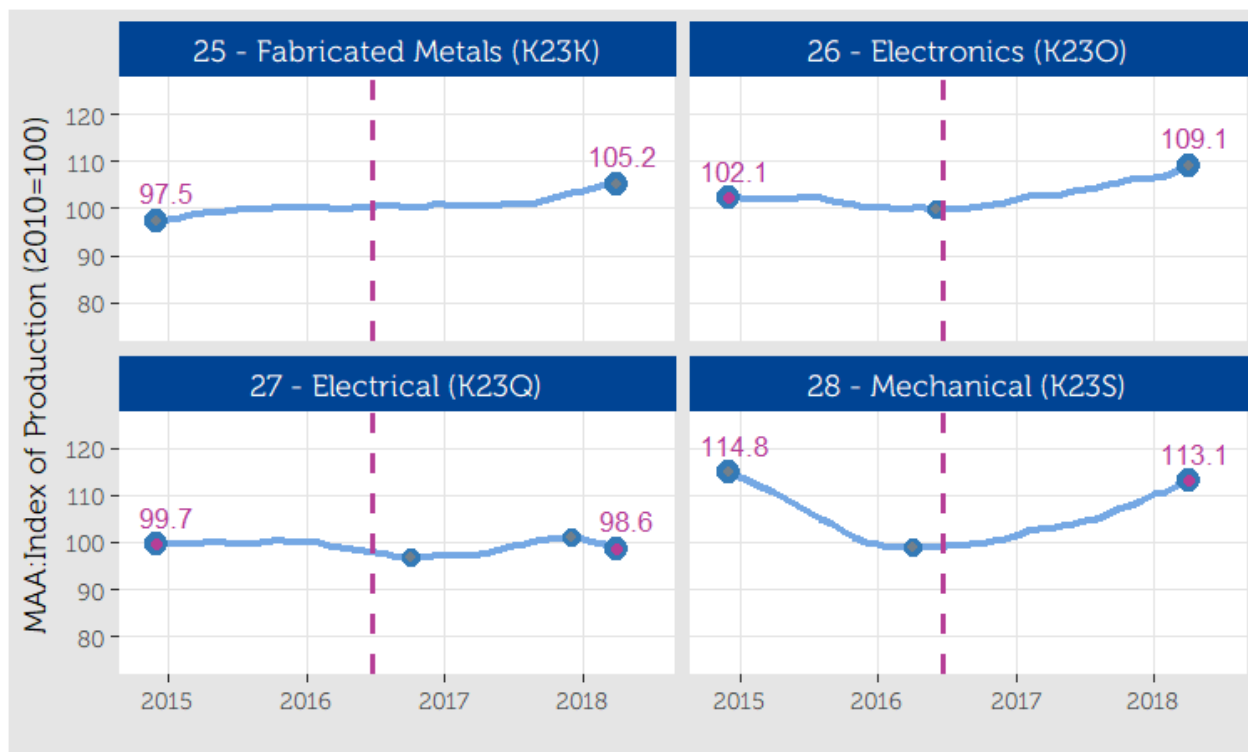
### 11.1 Turnover



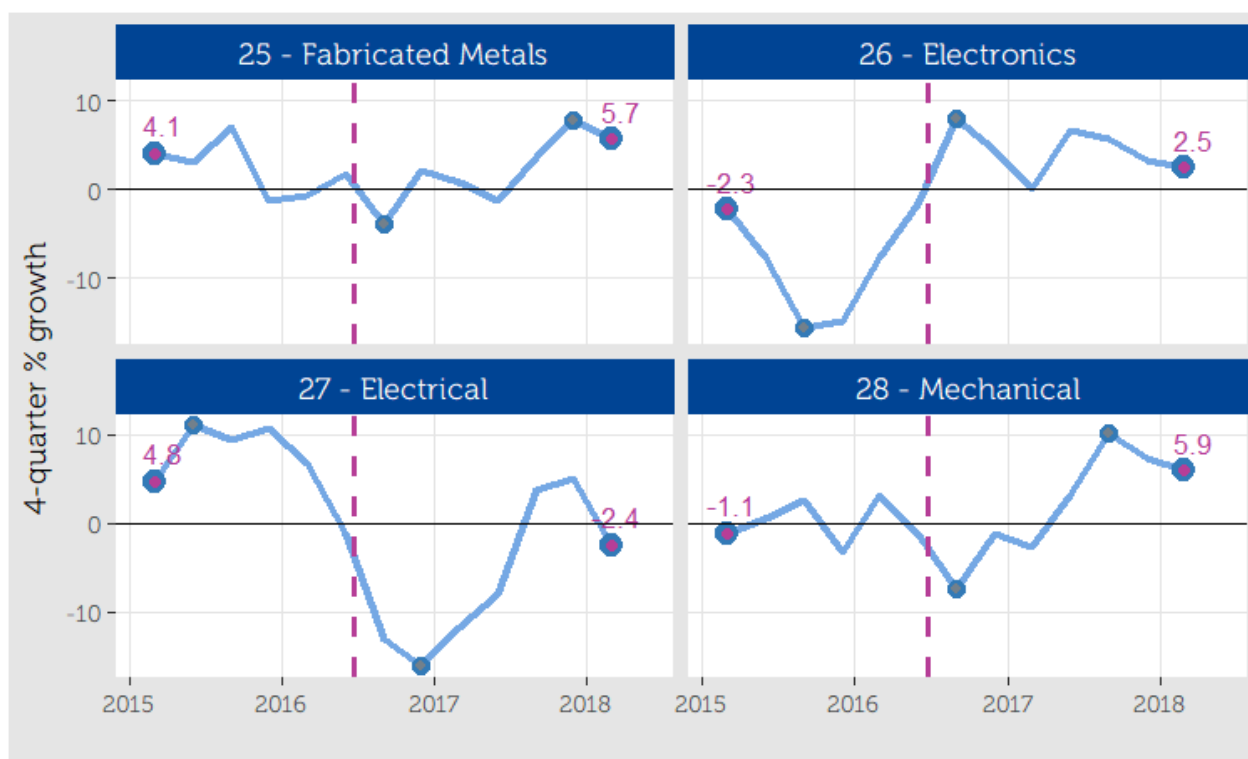
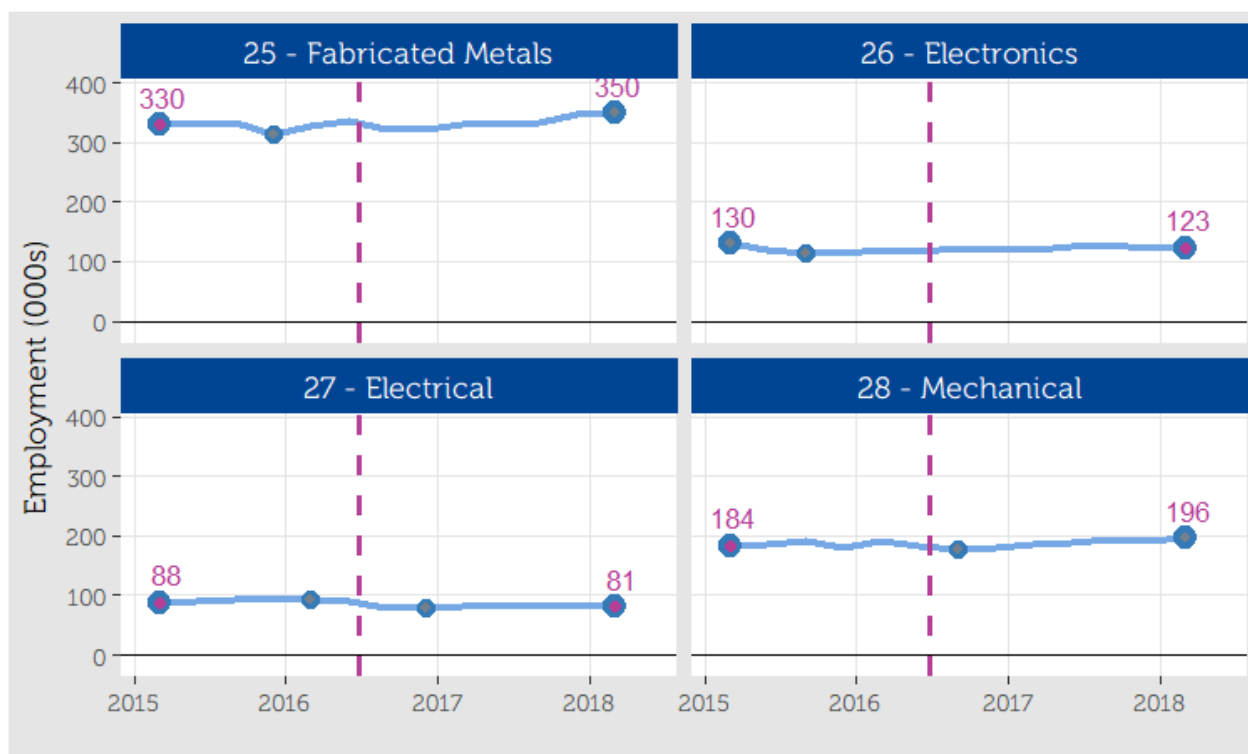
## 11.2 Exports



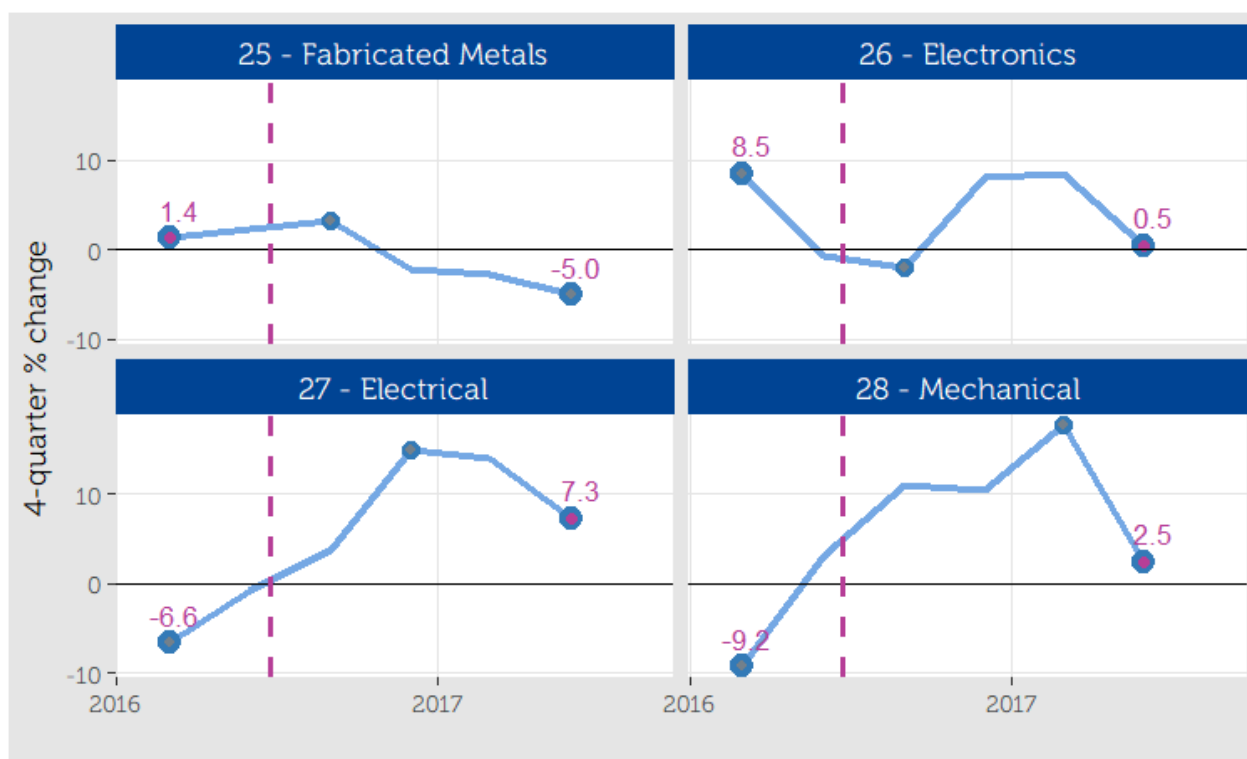
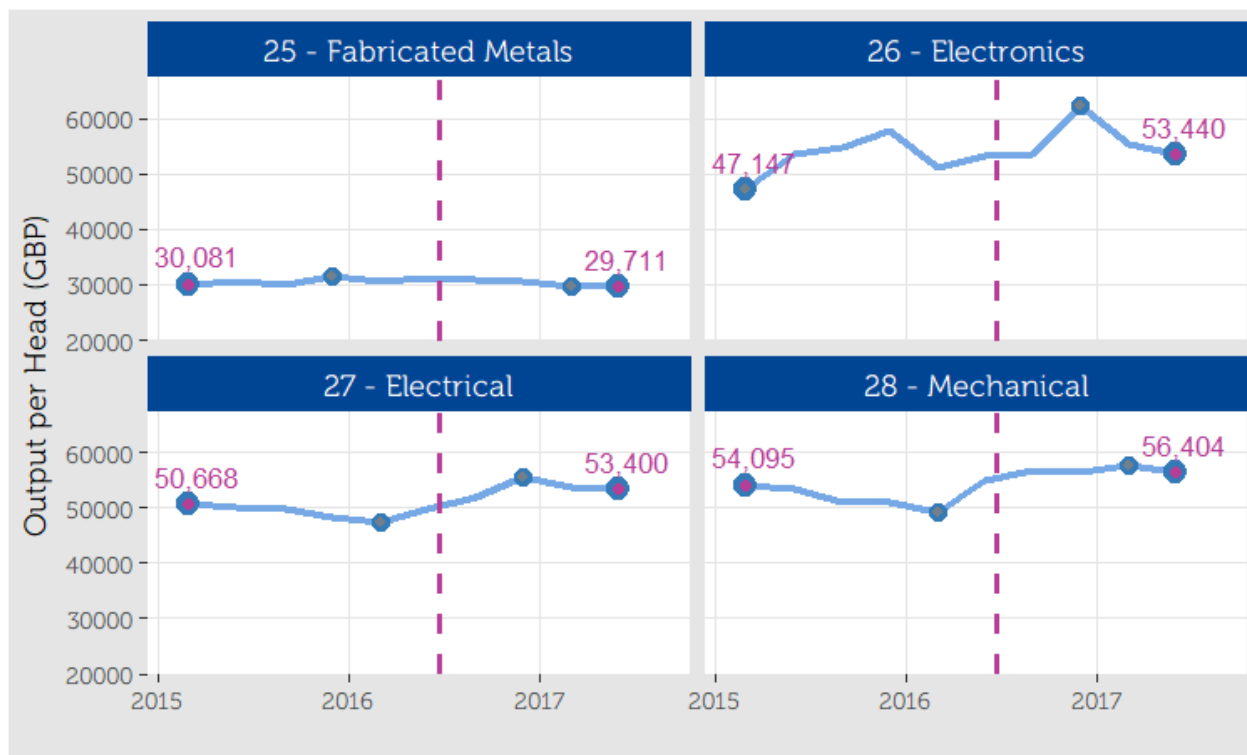
## 11.3 Index of Production



## 11.4 Employment (including Self-Employment)



## 11.5 Turnover per Head

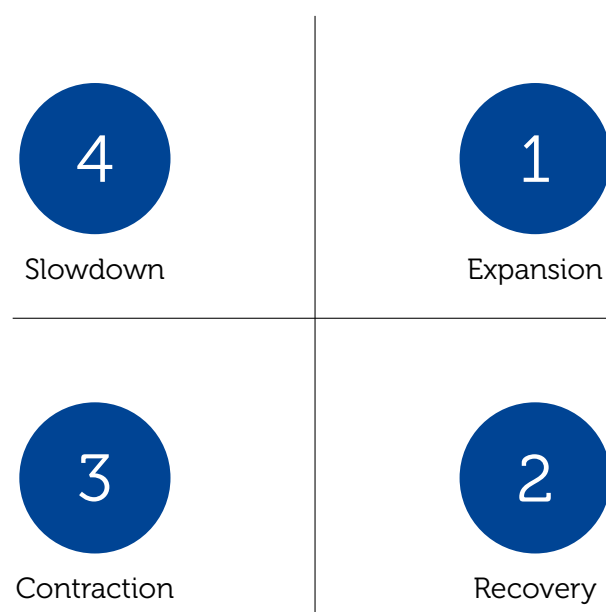


## 12 Growth Cycles

### 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 - **slowdown**

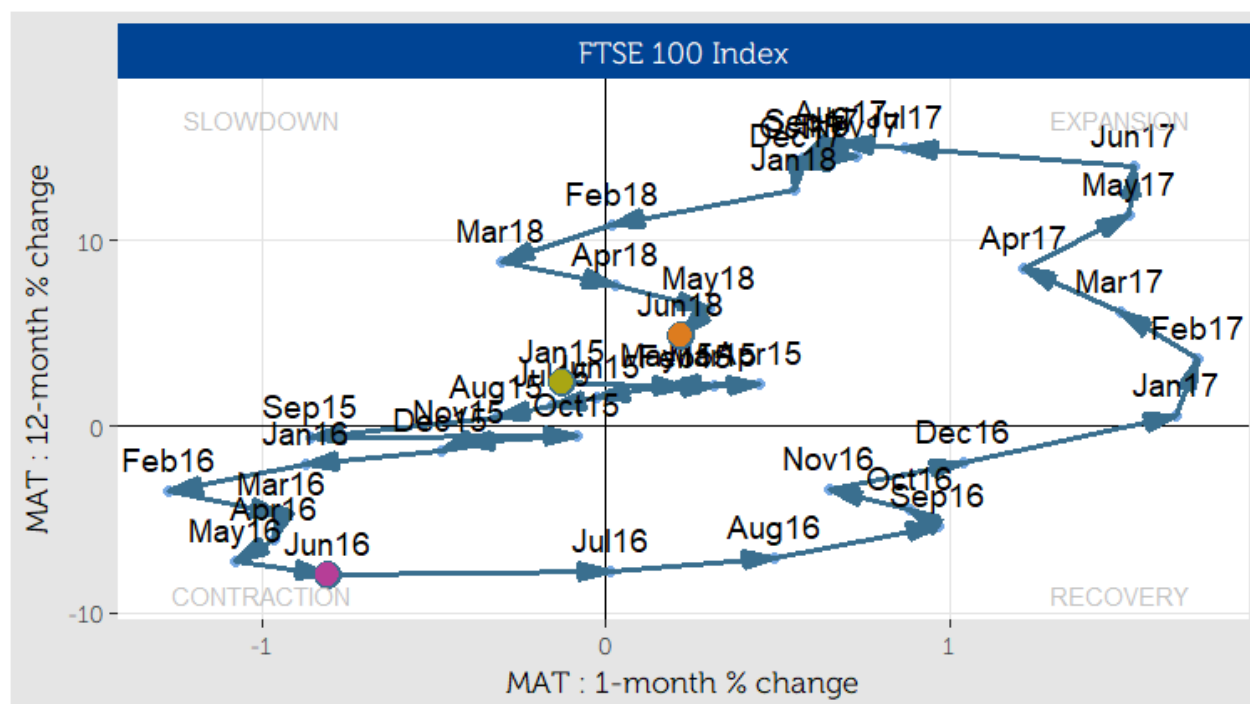


The direction or where an indicator is heading to is found by connecting indicator's position over a period of time. Majority of indicators have seasonal components which can sometimes obscure the underlying trends. Using Moving Annual Total (MAT) helps to remove this seasonality. Where MAT has been used instead of the actual indicator, the axis label is preceded by the 'MAT'.

This section shows growth cycle plots of 8 selected indicators. The starting points are marked with green circle (●); purple circle (●) for referendum date and orange circle (●) for the current state.

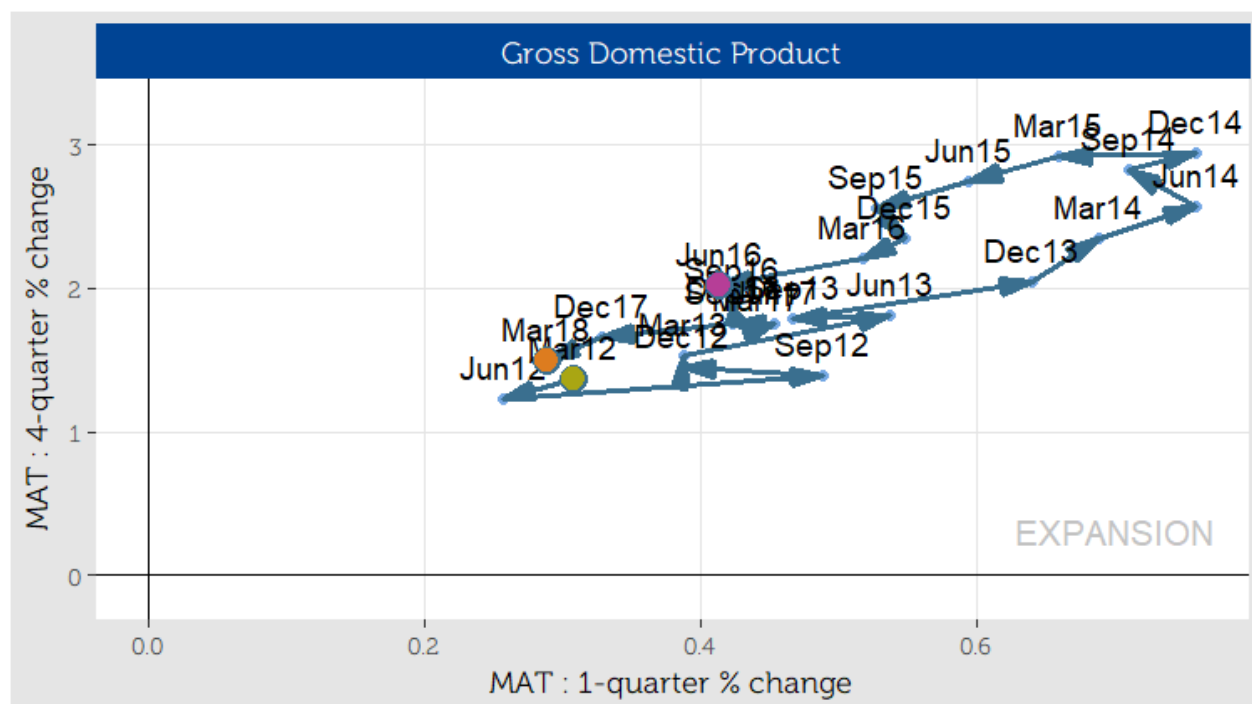


## 12.4 FTSE 100 Index

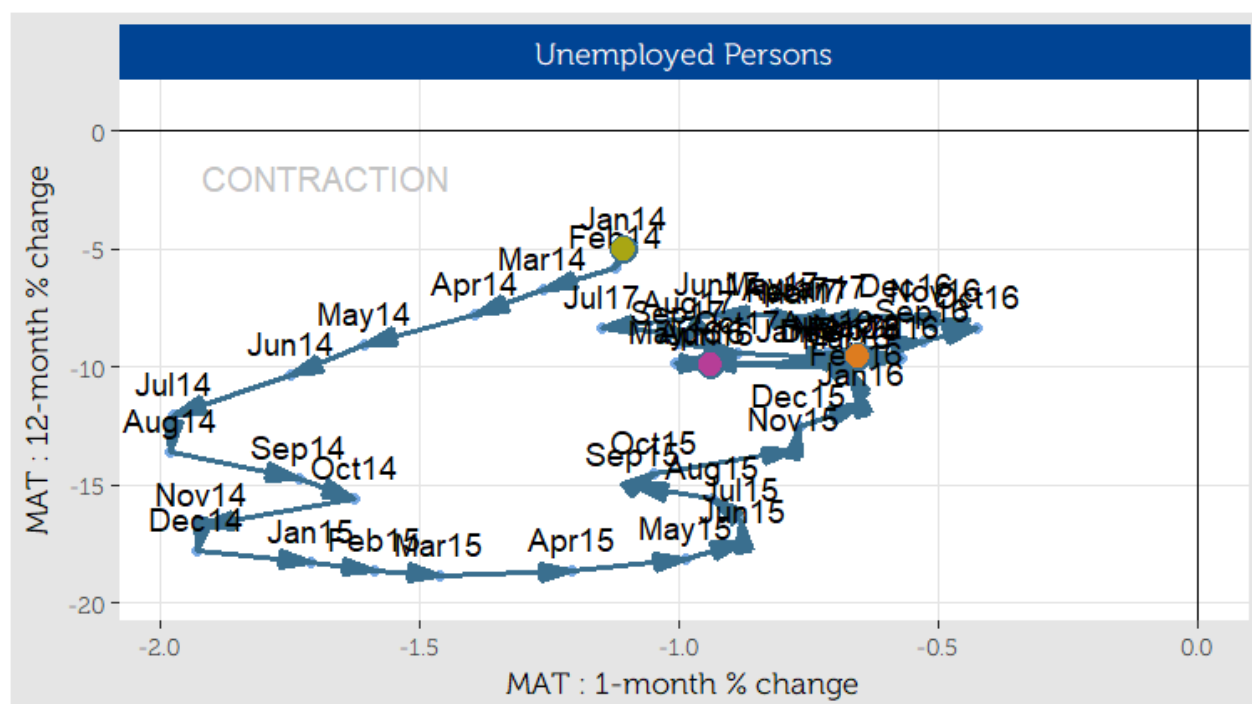




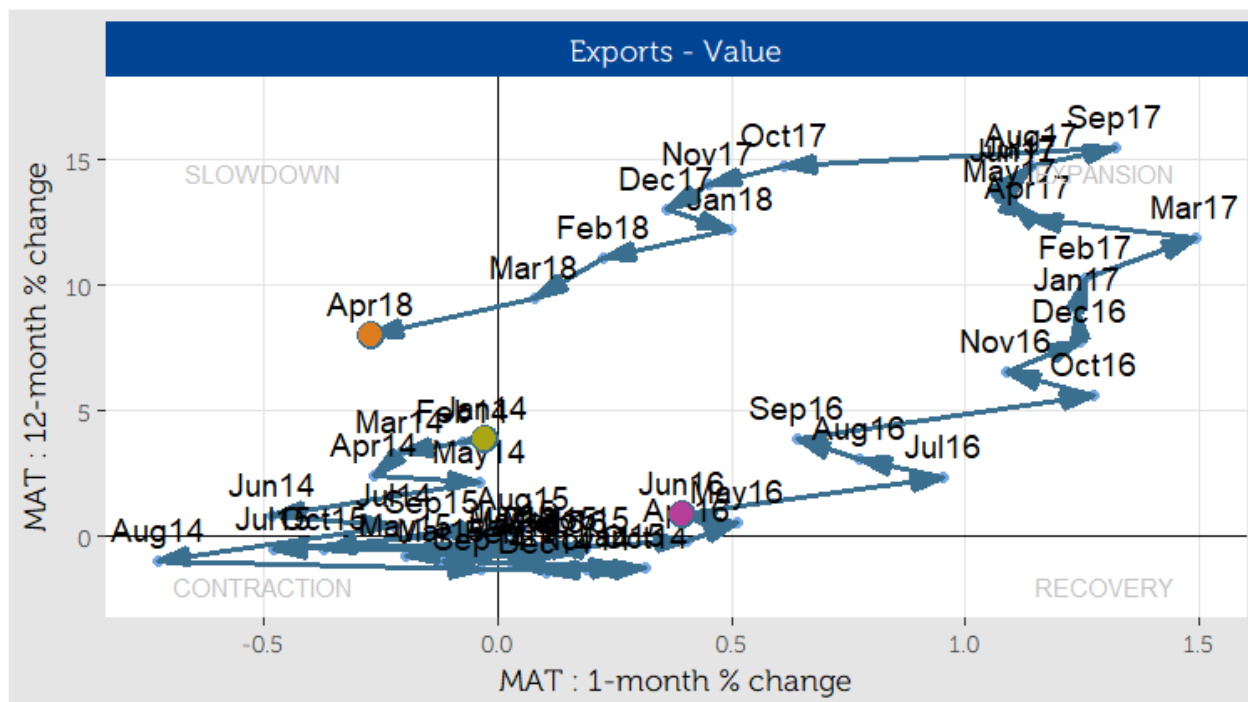
## 12.6 Gross Domestic Product - GDP (ABMI-UKEA)



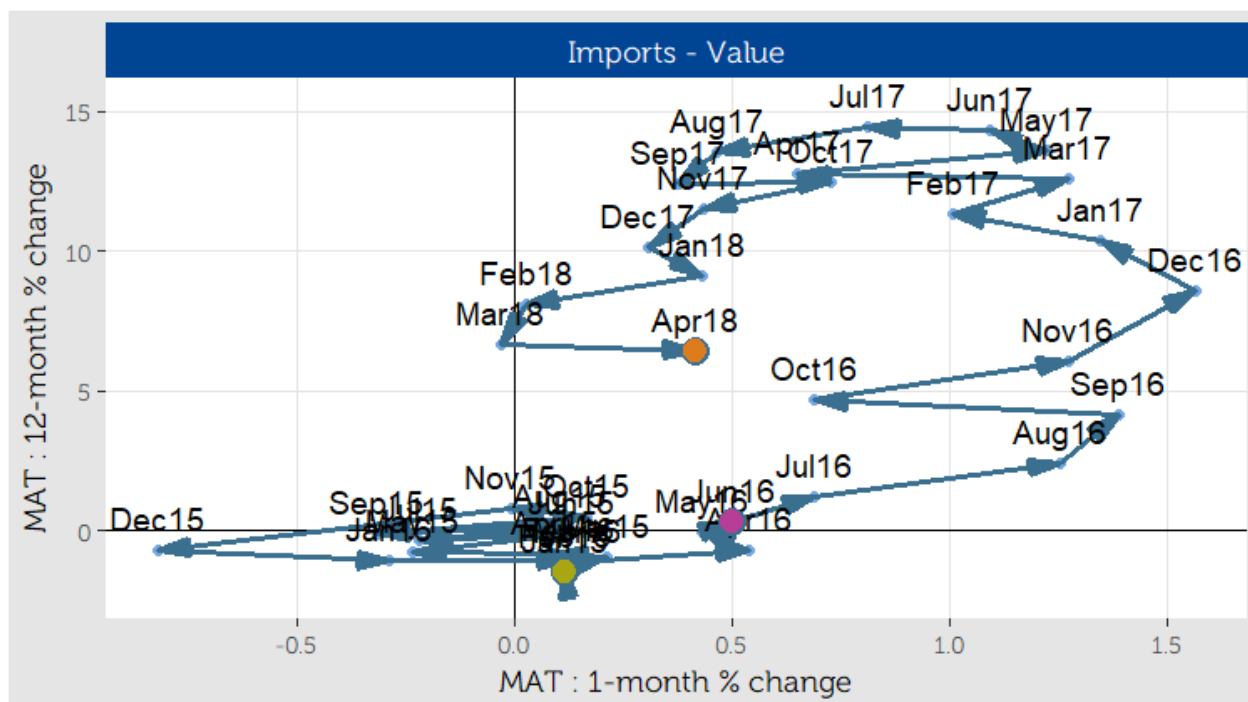
## 12.7 Unemployed Persons (MGSC)



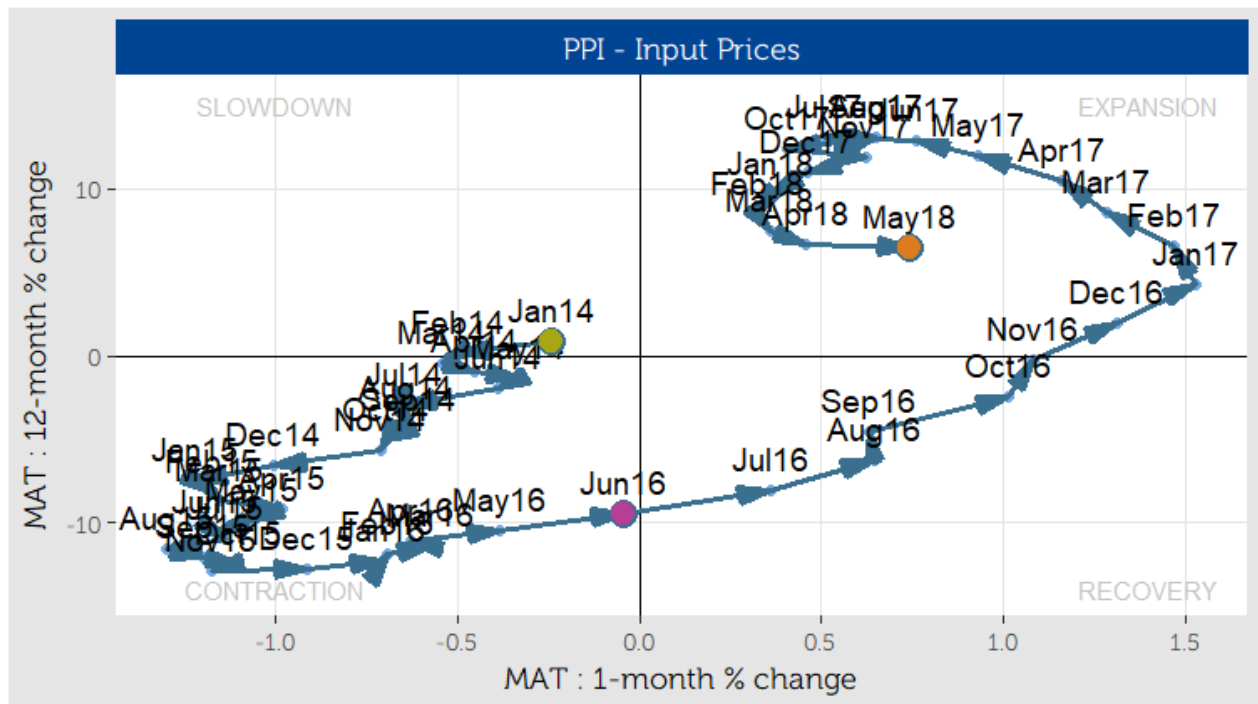
## 12.8 Exports - Value (IKBH)



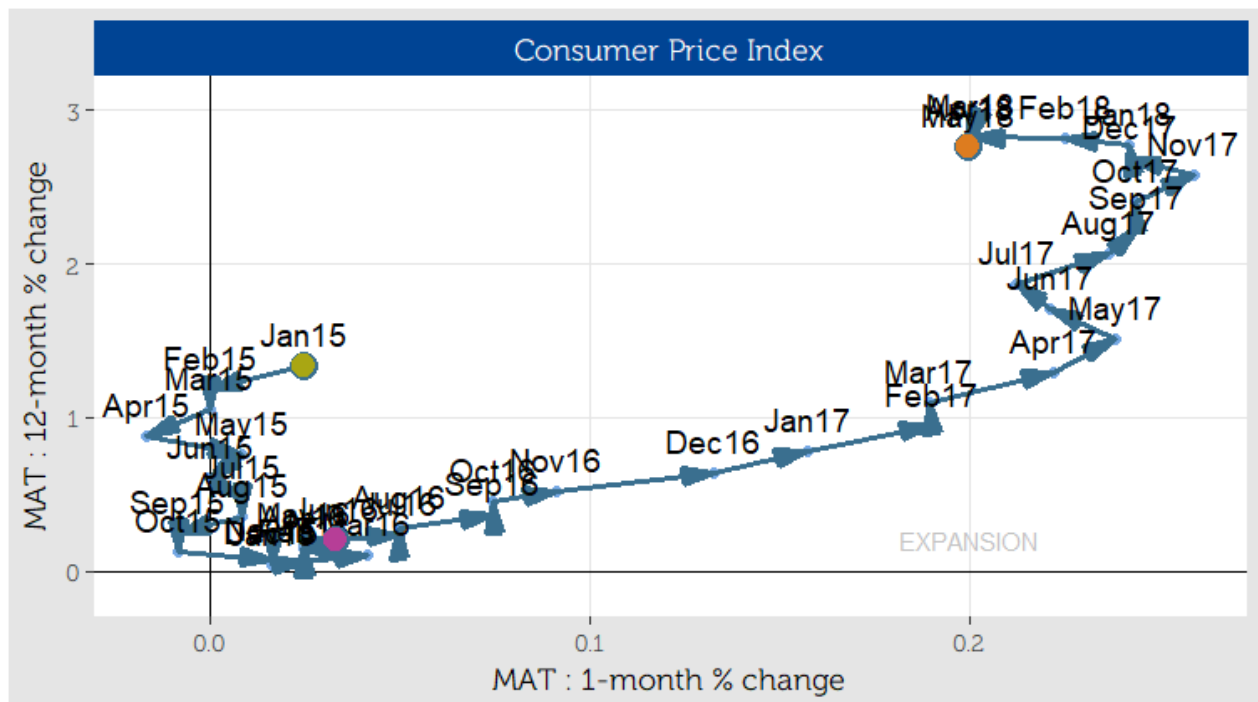
## 12.9 Imports - Value (IKBI)



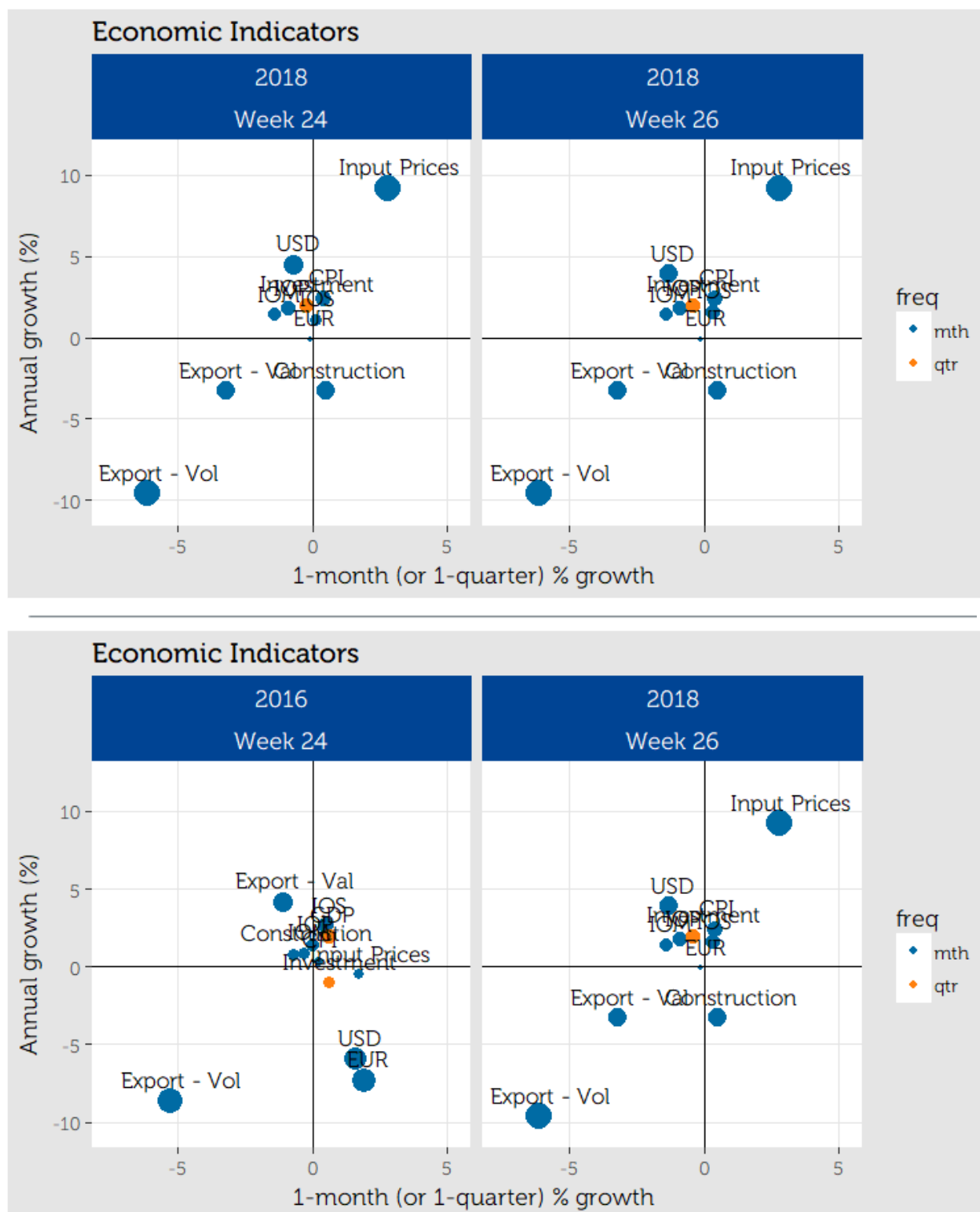
## 12.10 Input Prices (K646)



## 12.11 Consumer Price Index (D7BT)



## 12.12 Current State

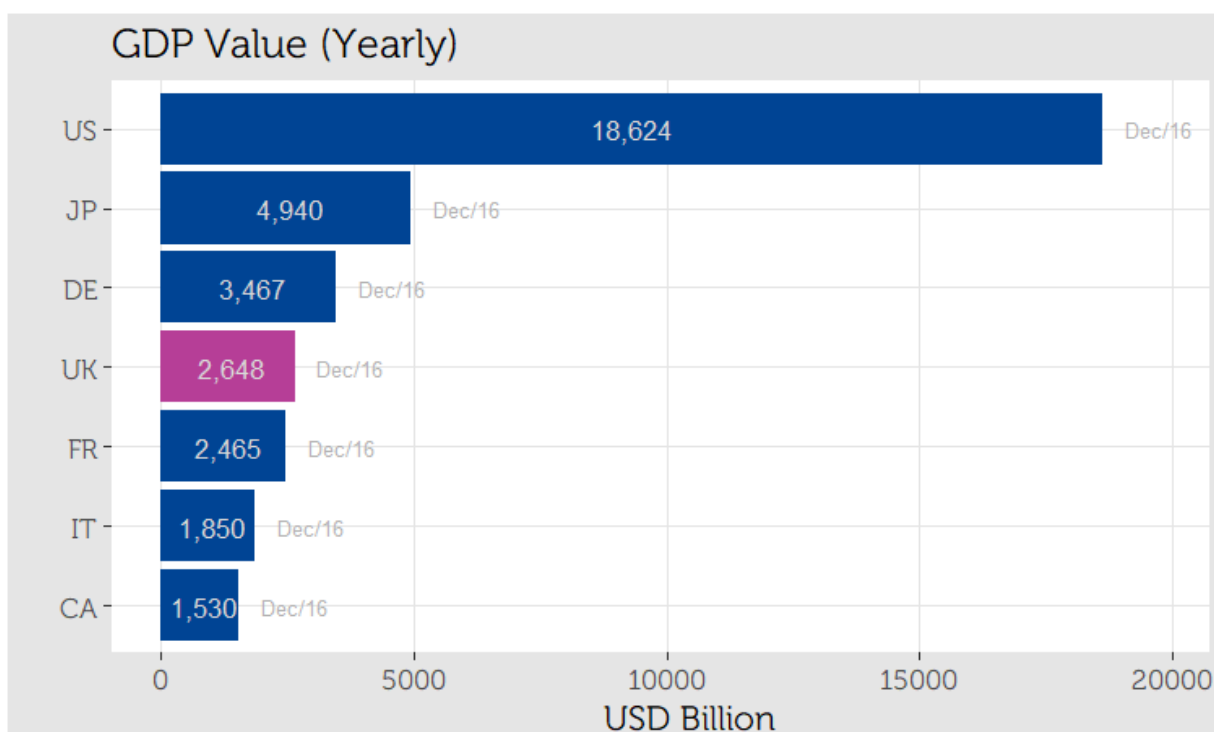
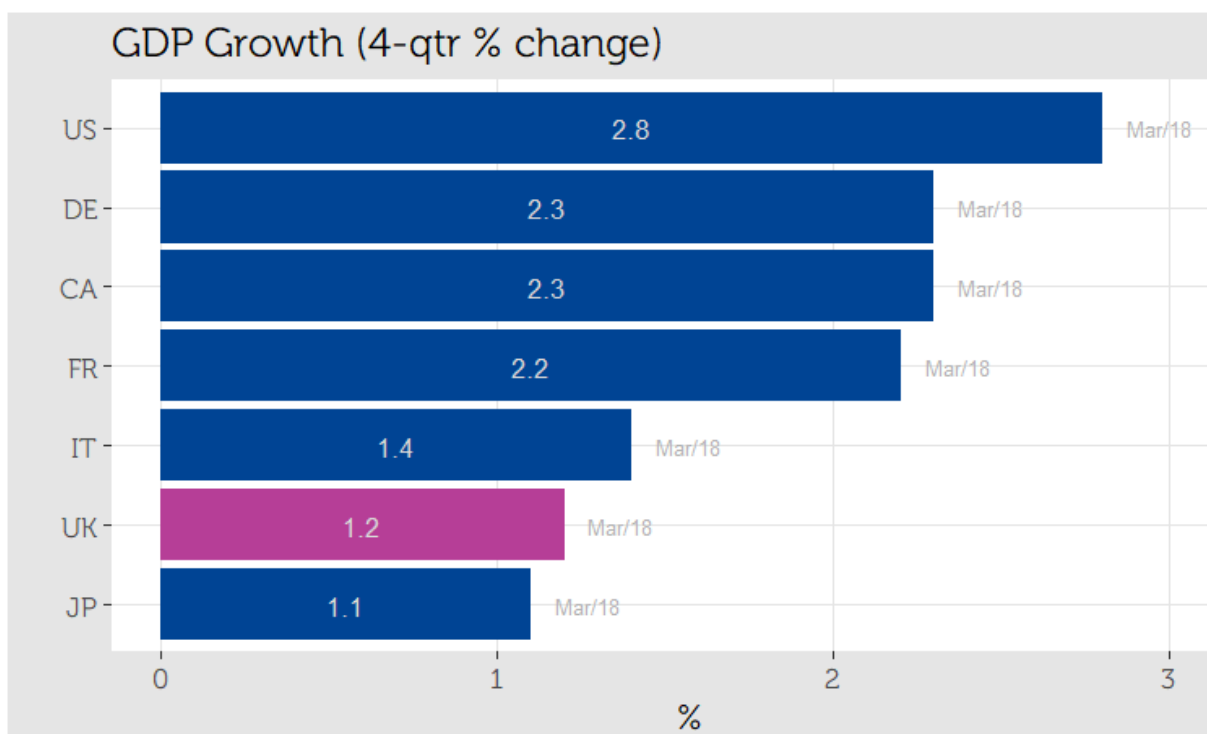


**Top:** Indicators growth - Current week versus previous week.

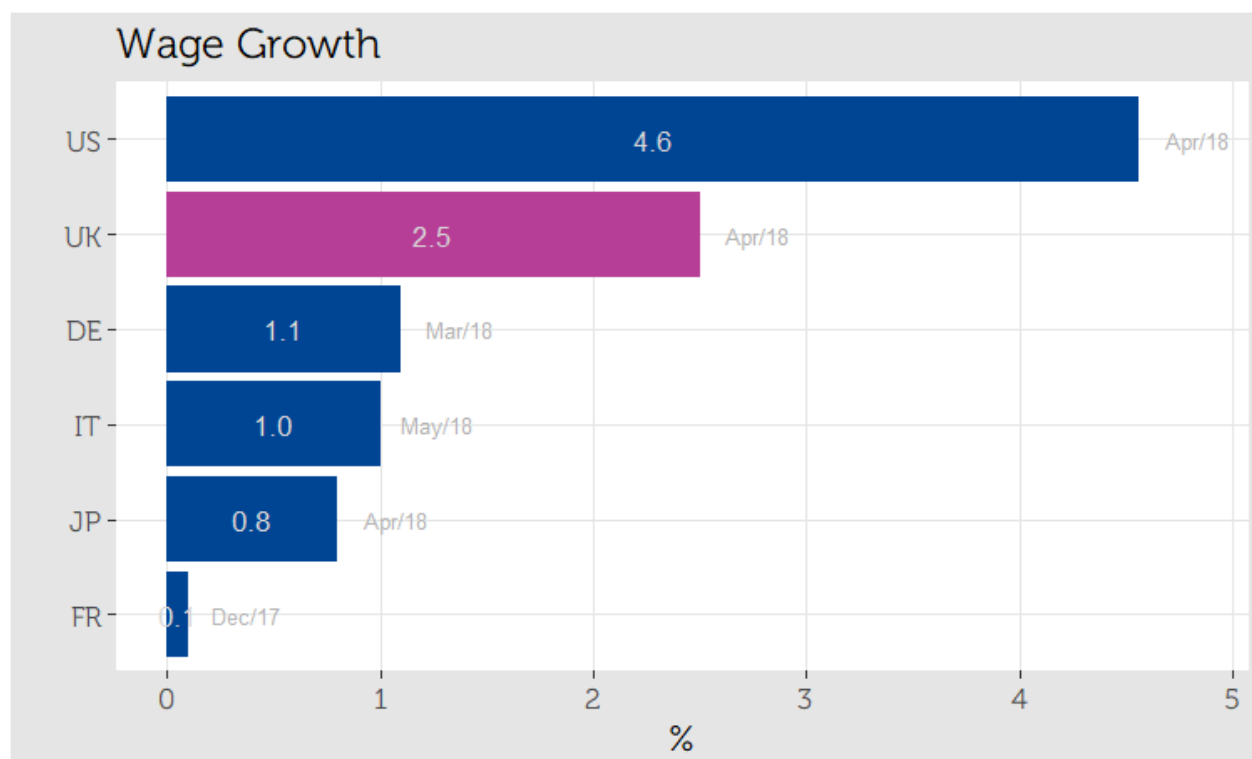
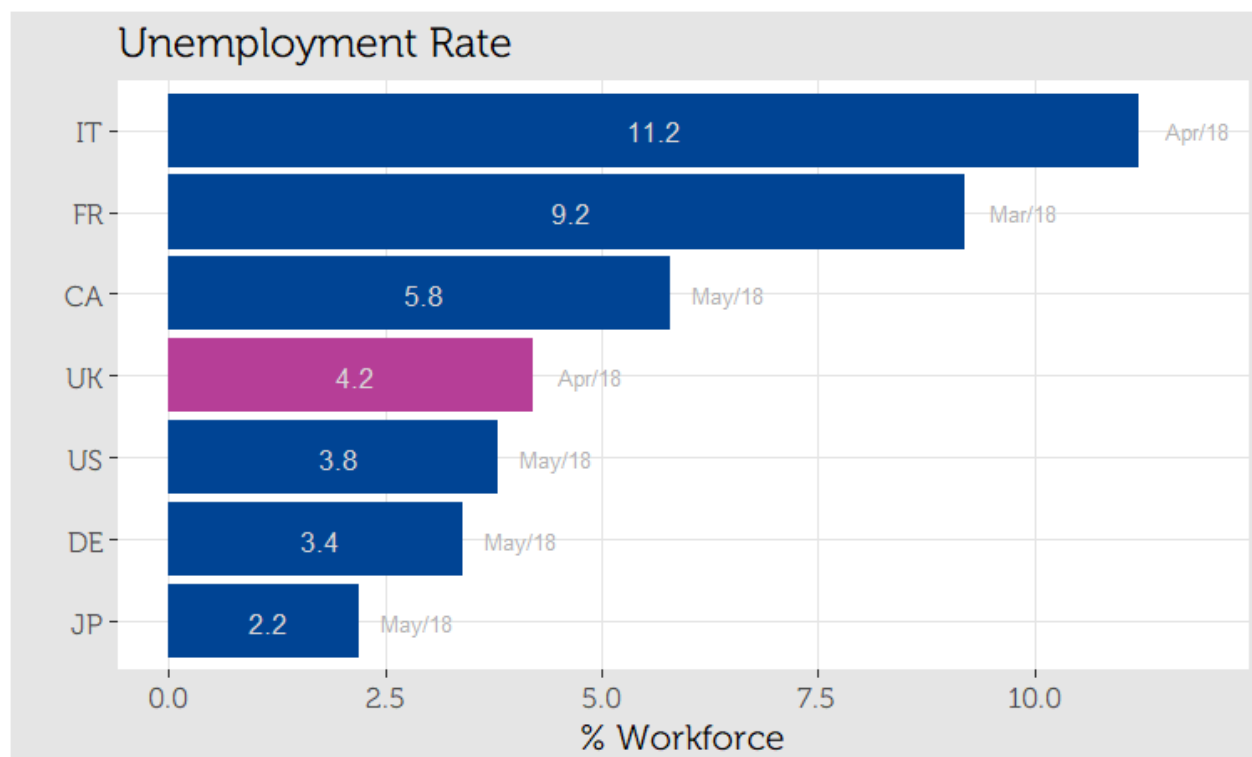
**Bottom:** Indicators Growth - Before Referendum vote versus current week

## 13 G7 Indicators (Latest)

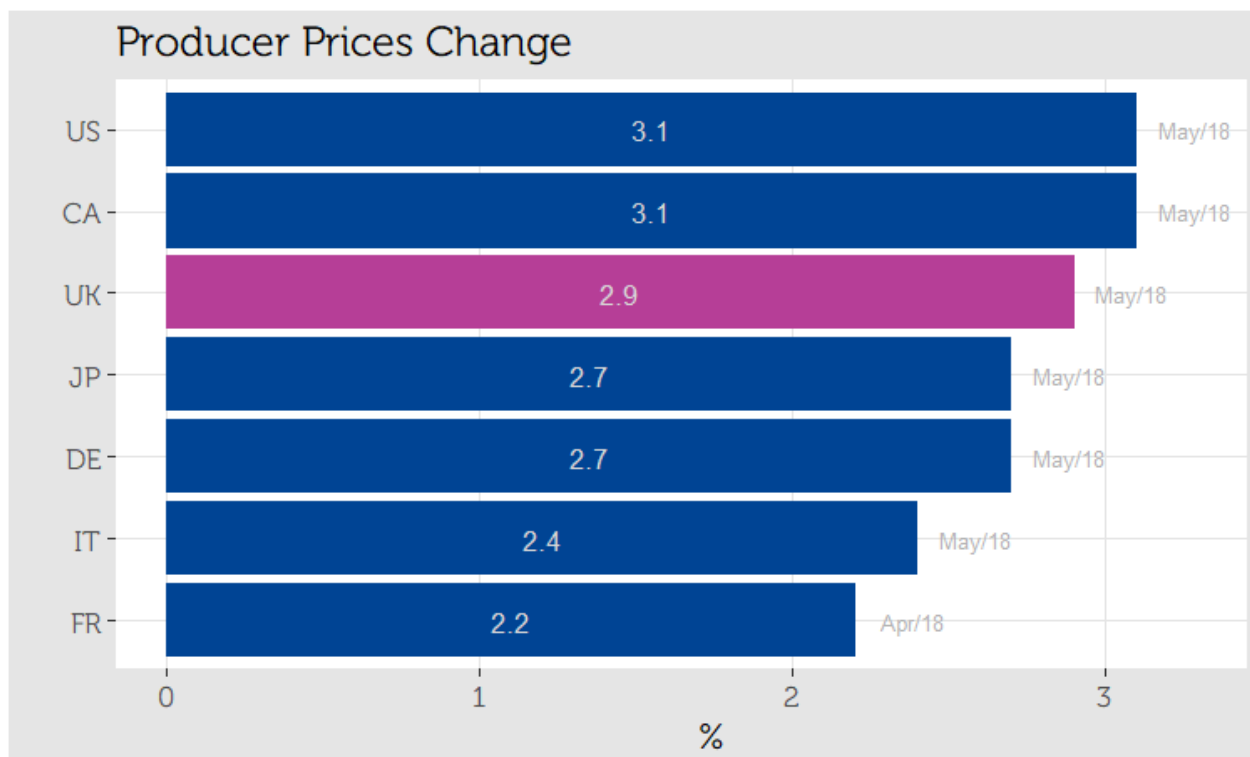
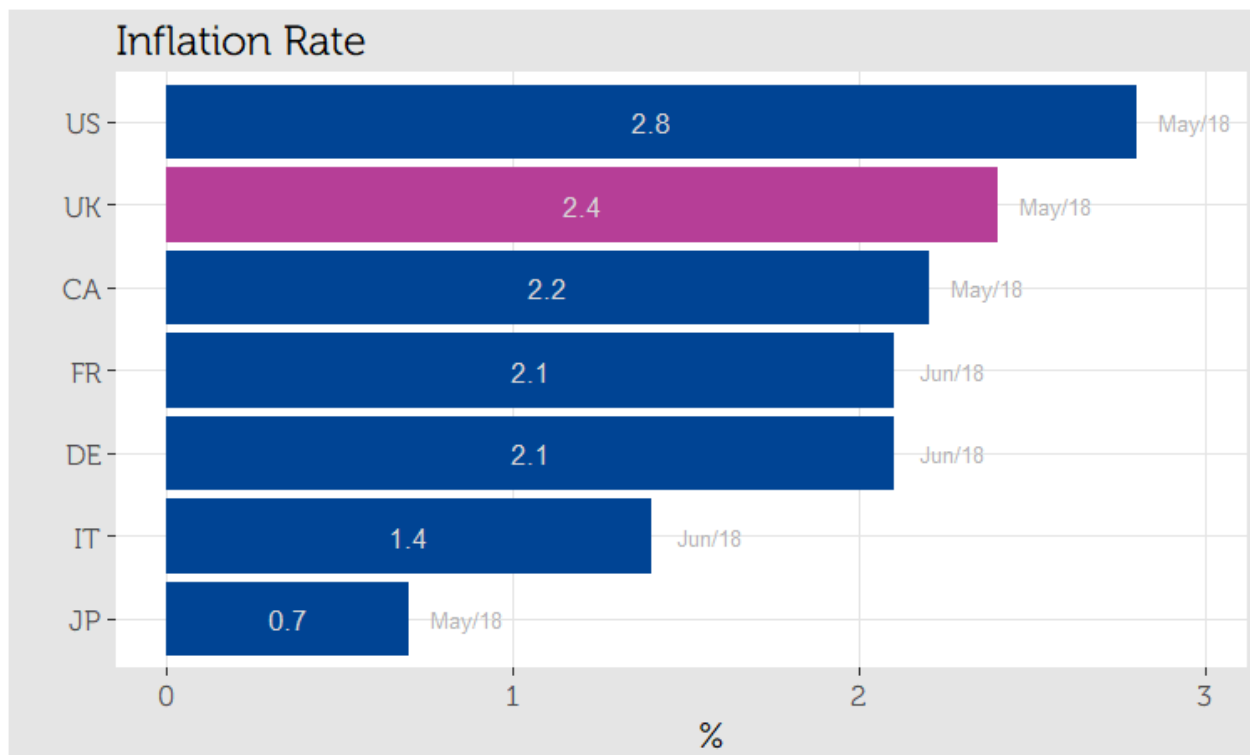
### 13.1 Gross Domestic Product (GDP)



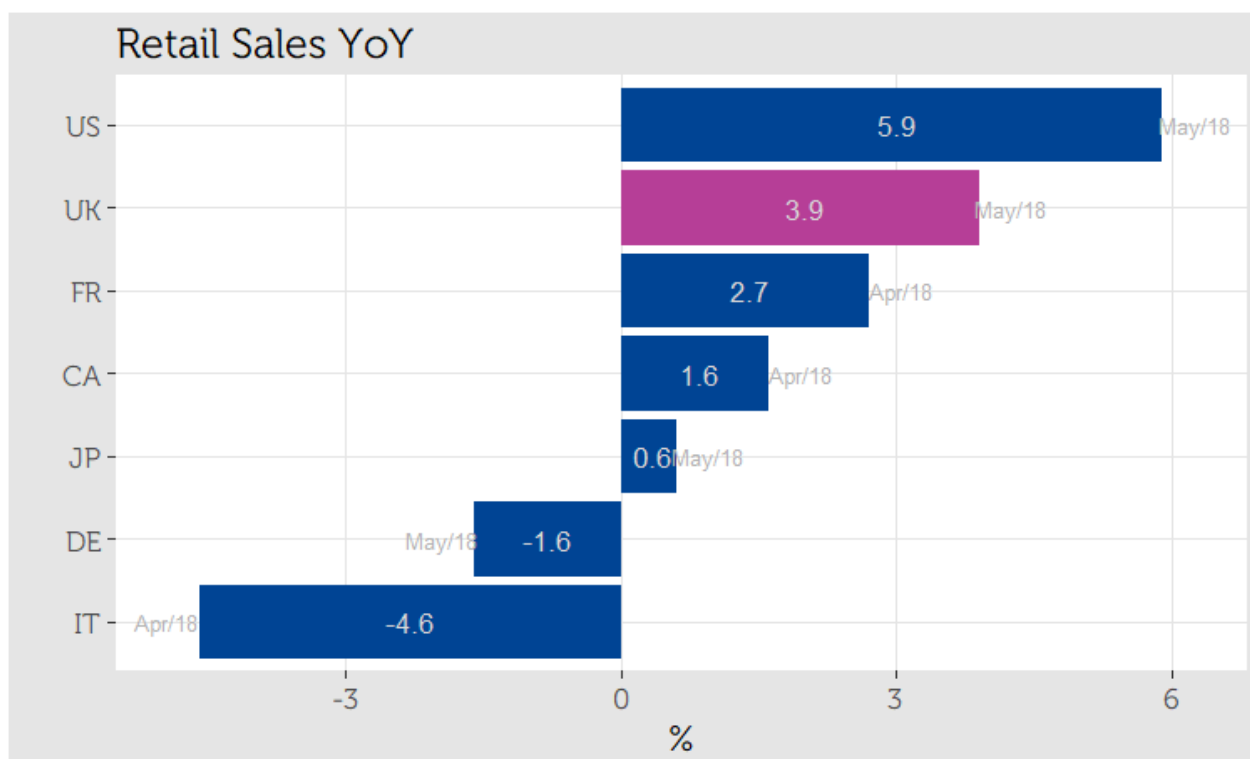
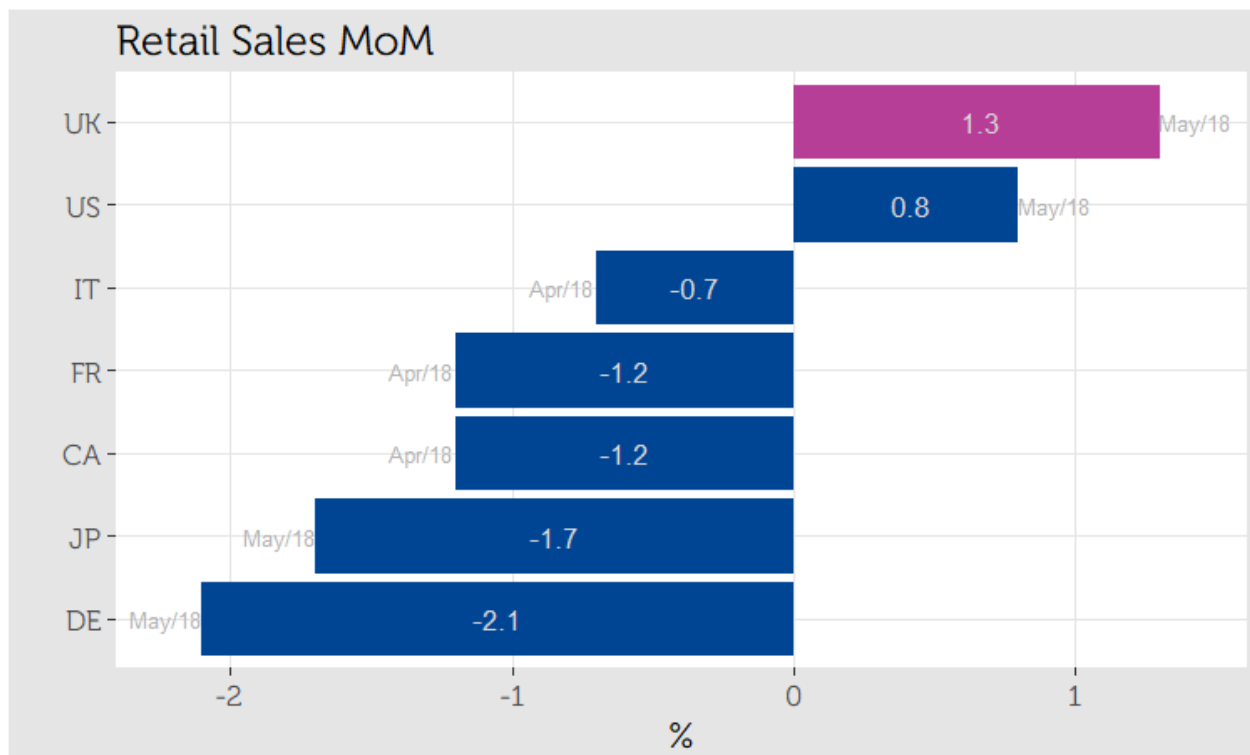
## 13.2 Unemployment & Wage Growth



### 13.3 Inflation & Producer Prices

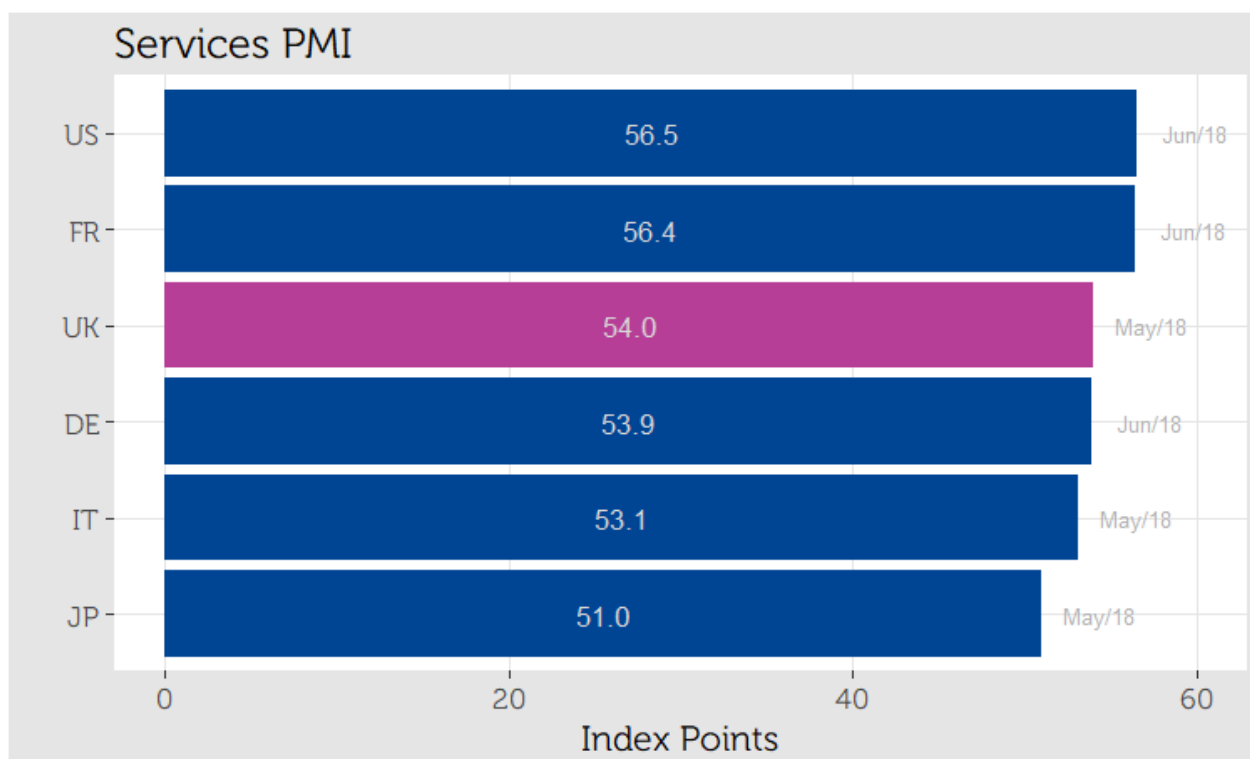
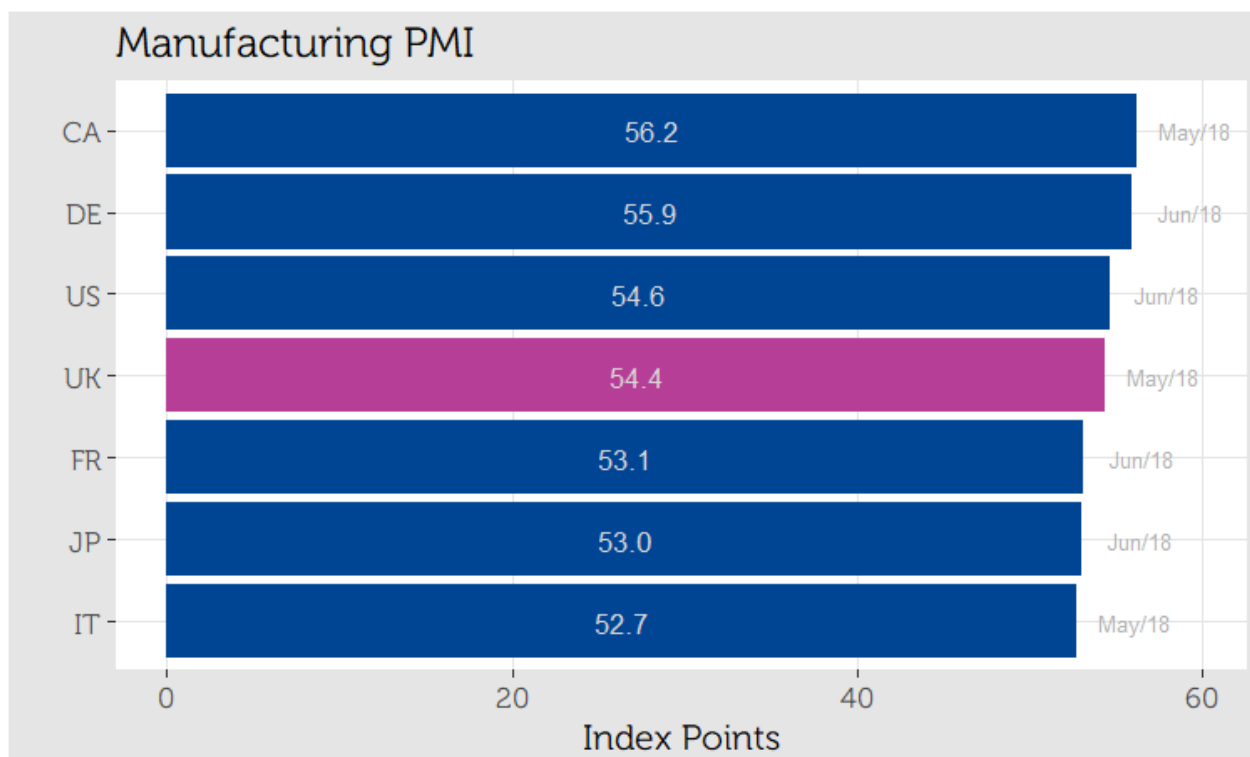


## 13.4 Retail Sales

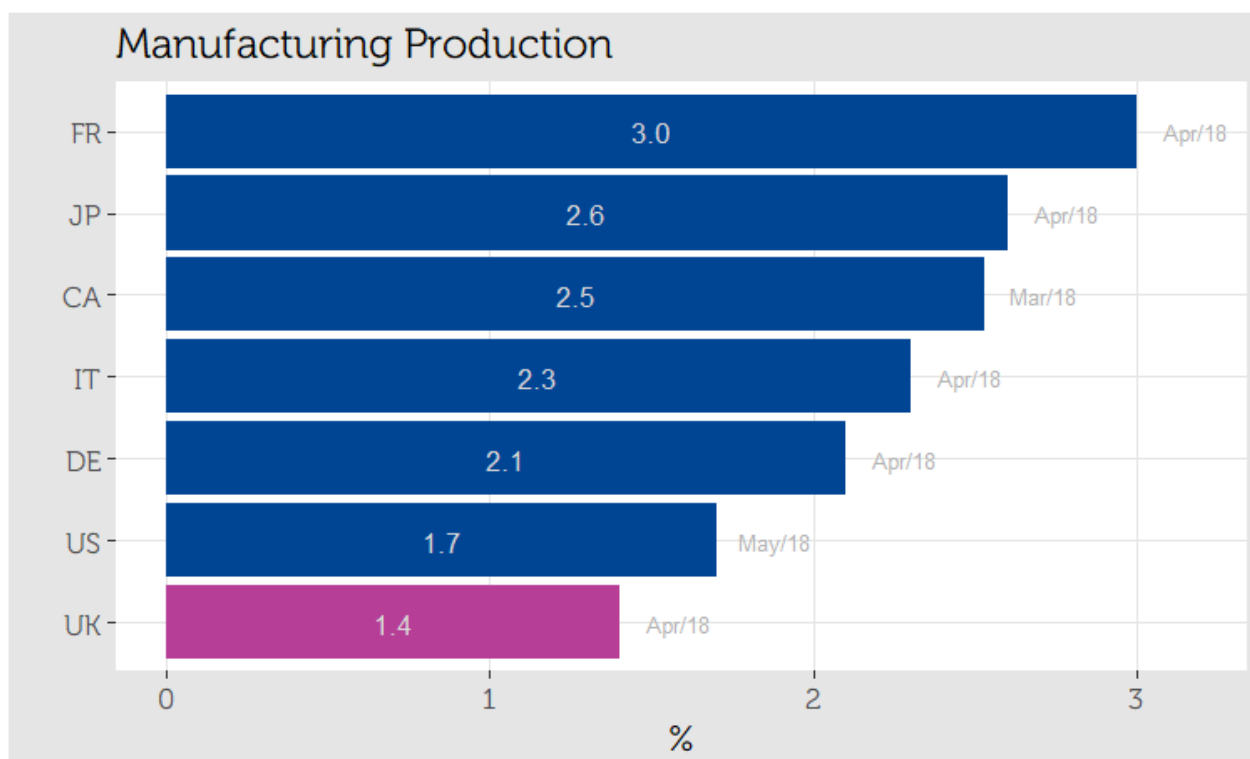
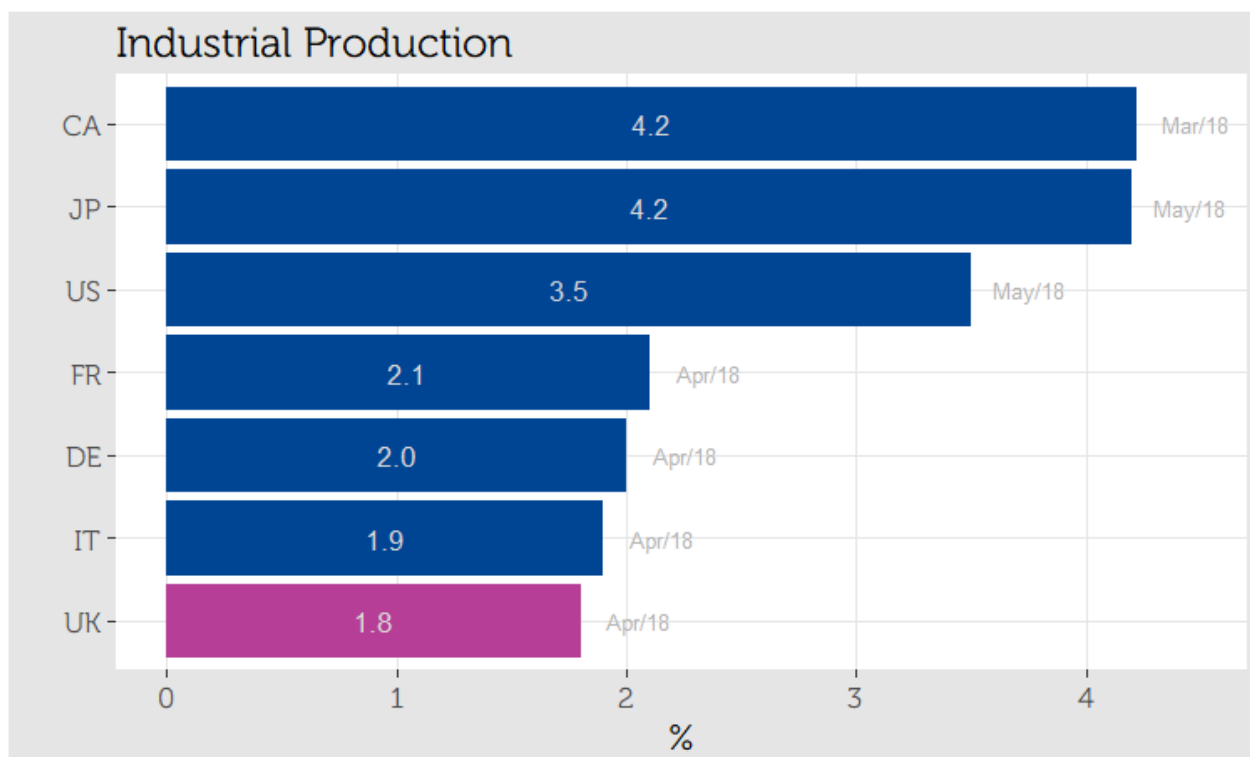




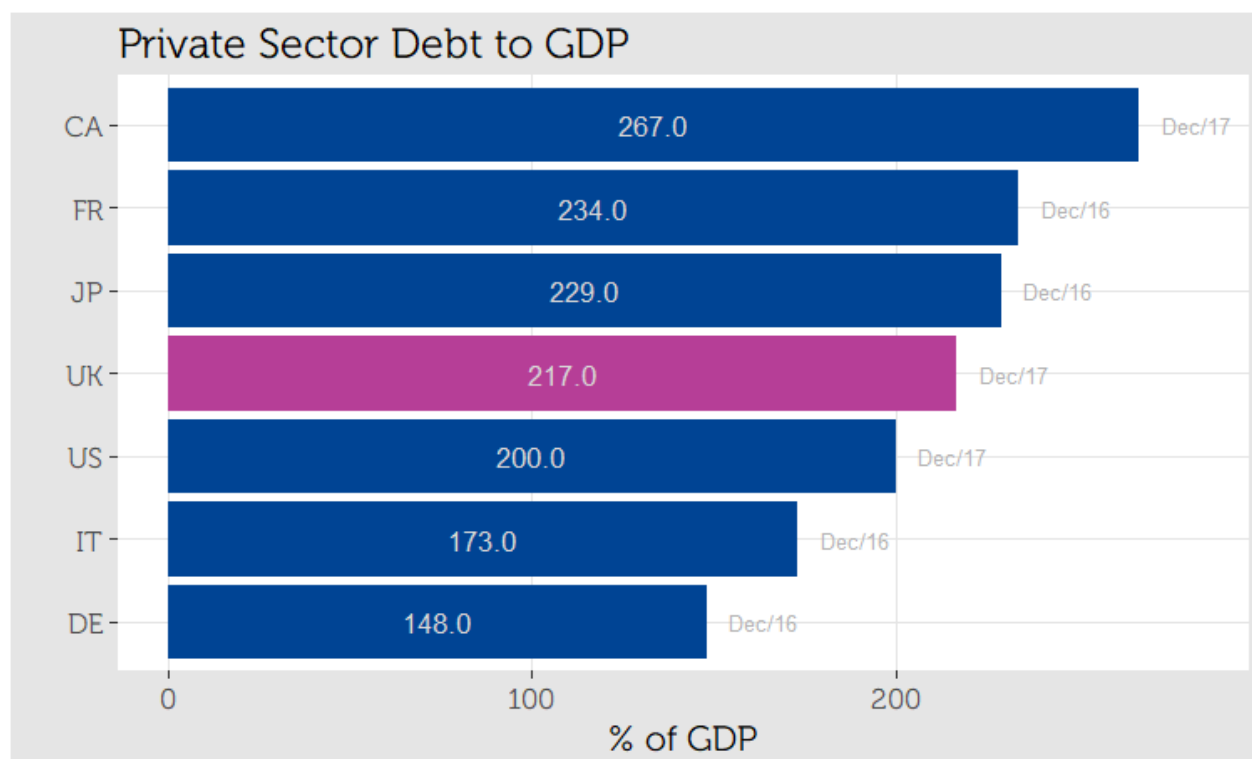
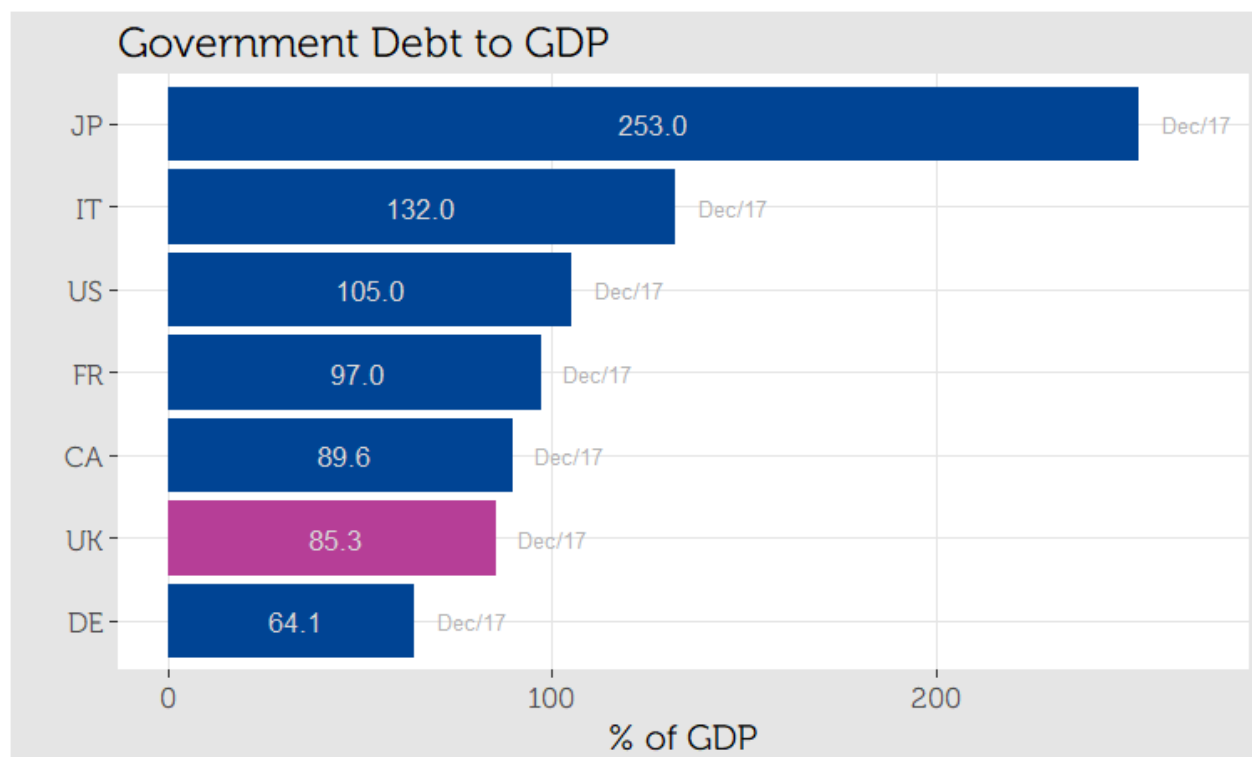
### 13.5 Purchasers Managers Index - Manufacturing & Services



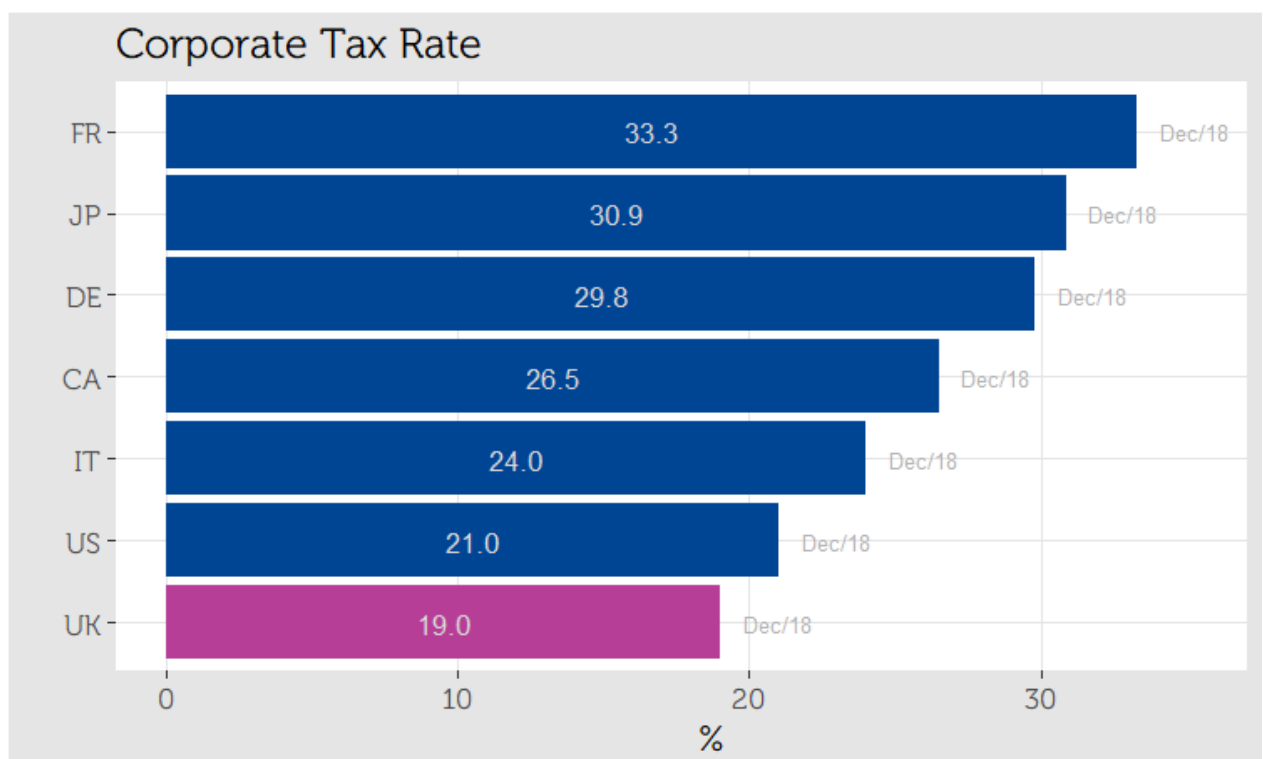
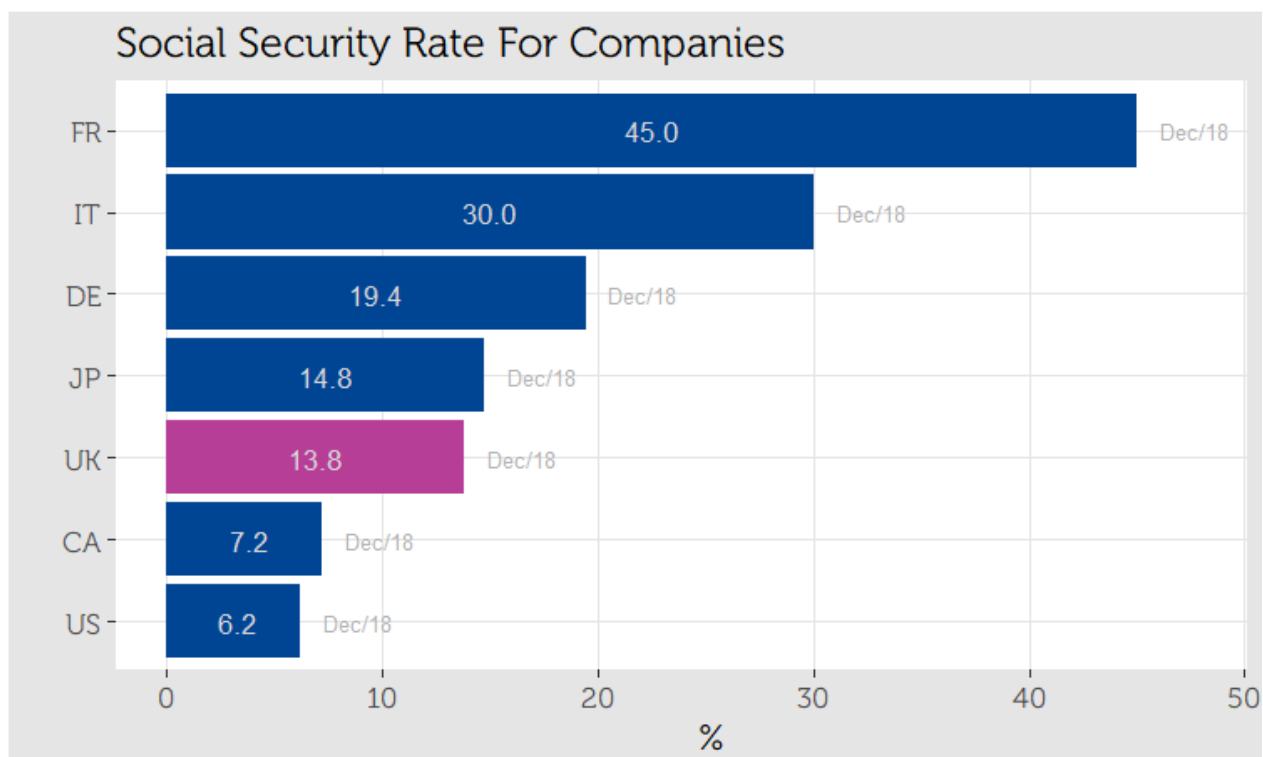
## 13.6 Industrial Production & Manufacturing



## 13.7 Debt



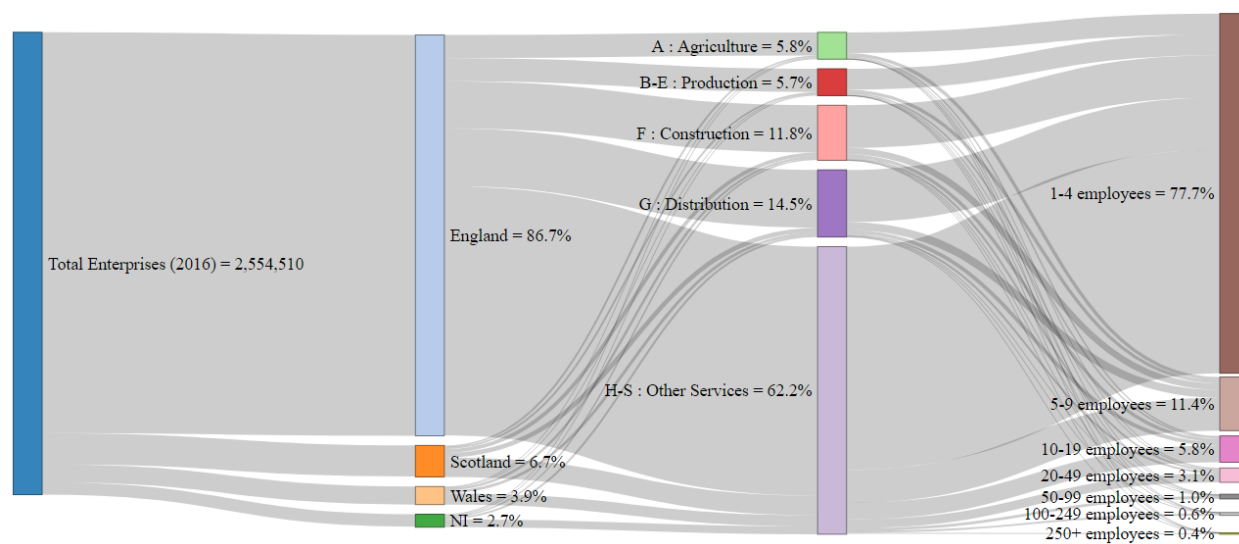
## 13.8 Employer Social Security Rate & Corporate Tax



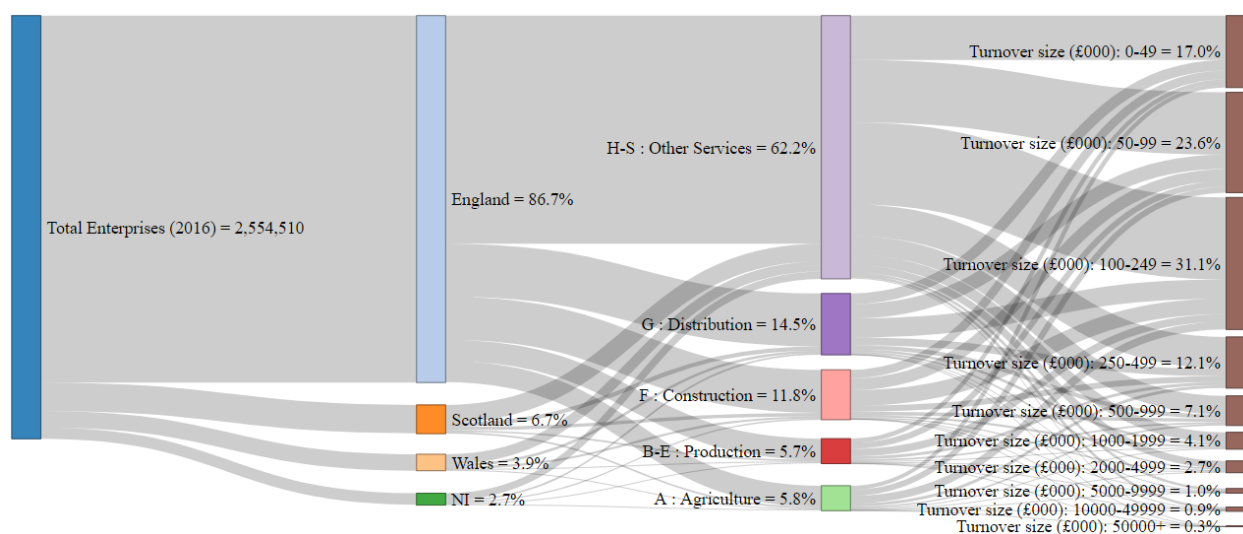
# Appendices

## A UK Businesses: Activity, Size & Location

### A.1 Enterprises by Employment Size Band

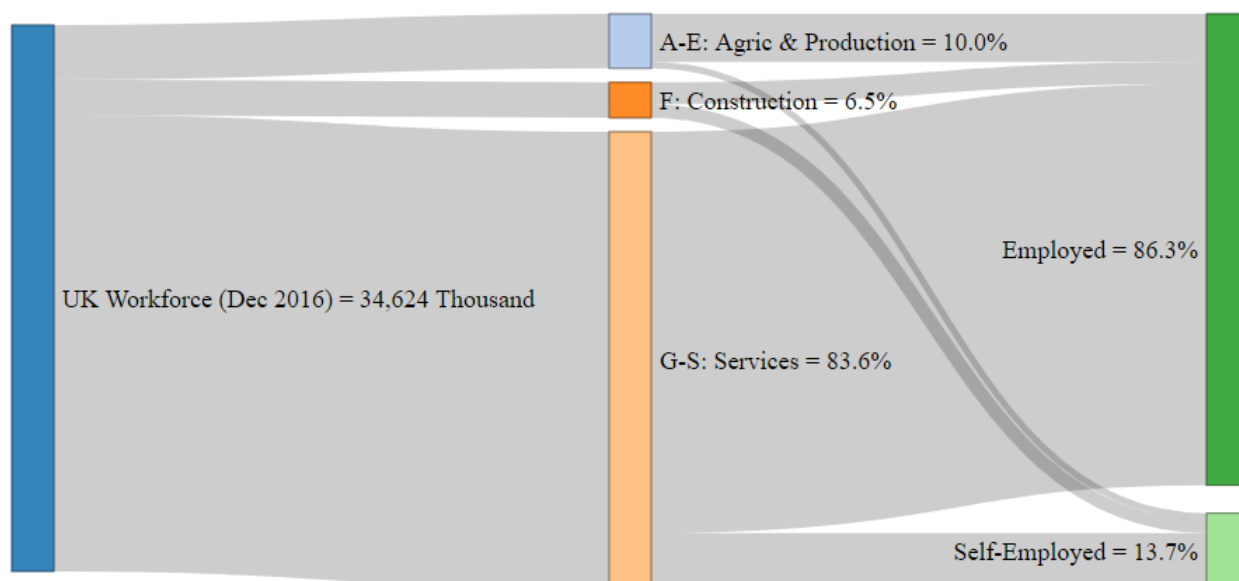


### A.2 Enterprises by Turnover Size Band

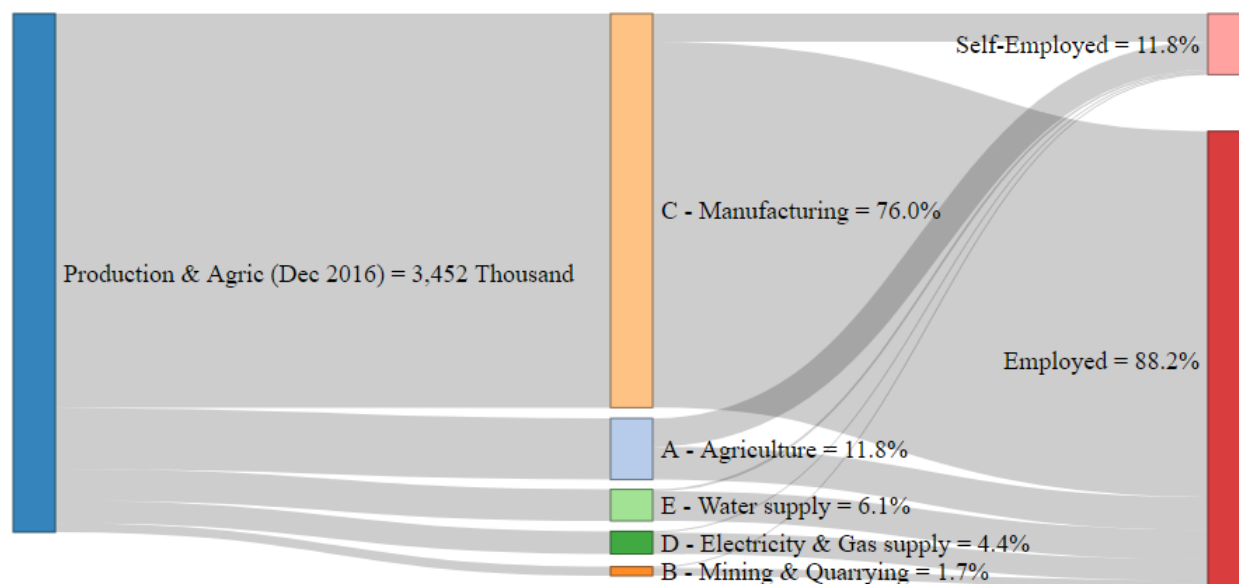


## B UK Employment Structure

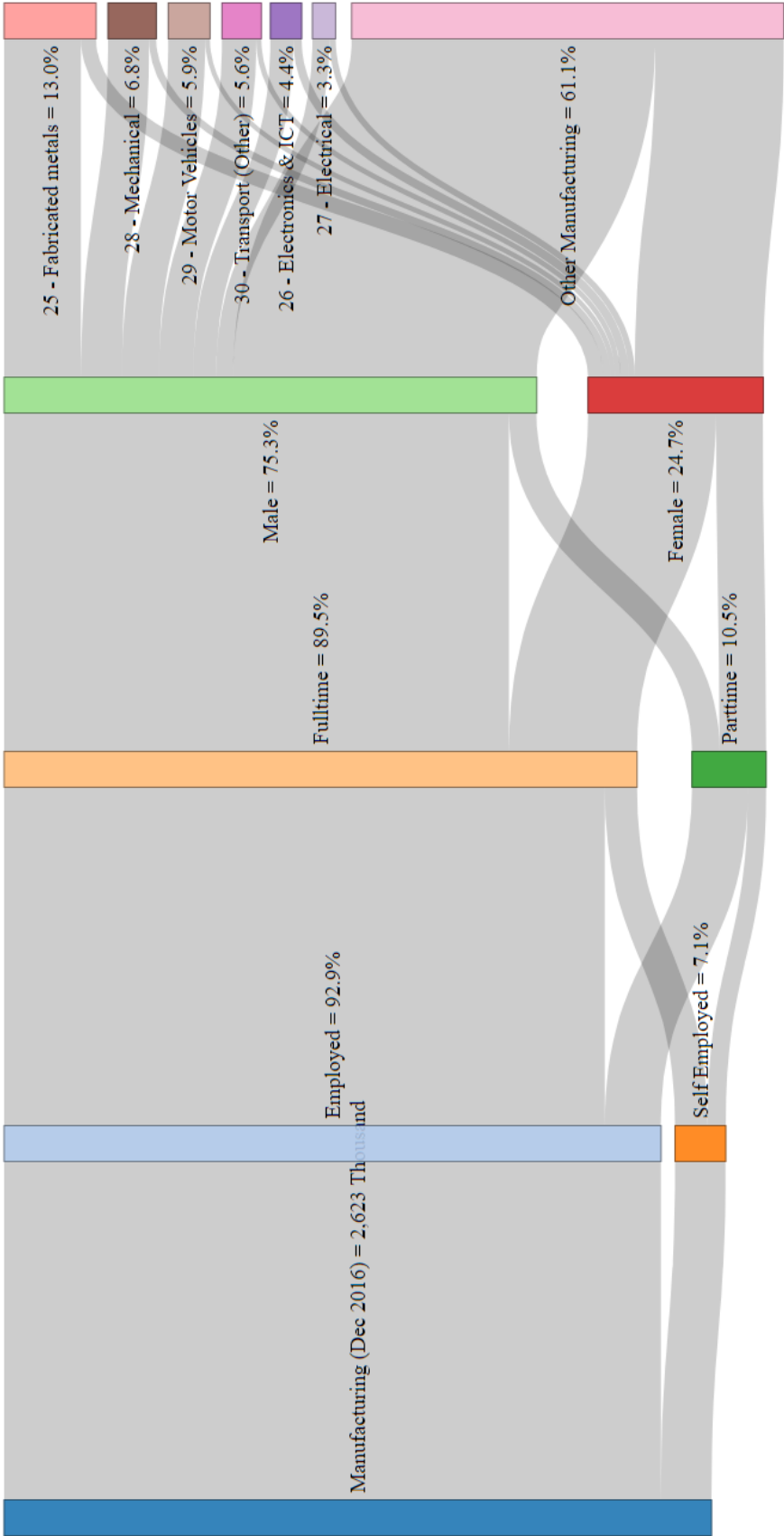
### B.1 UK Workforce



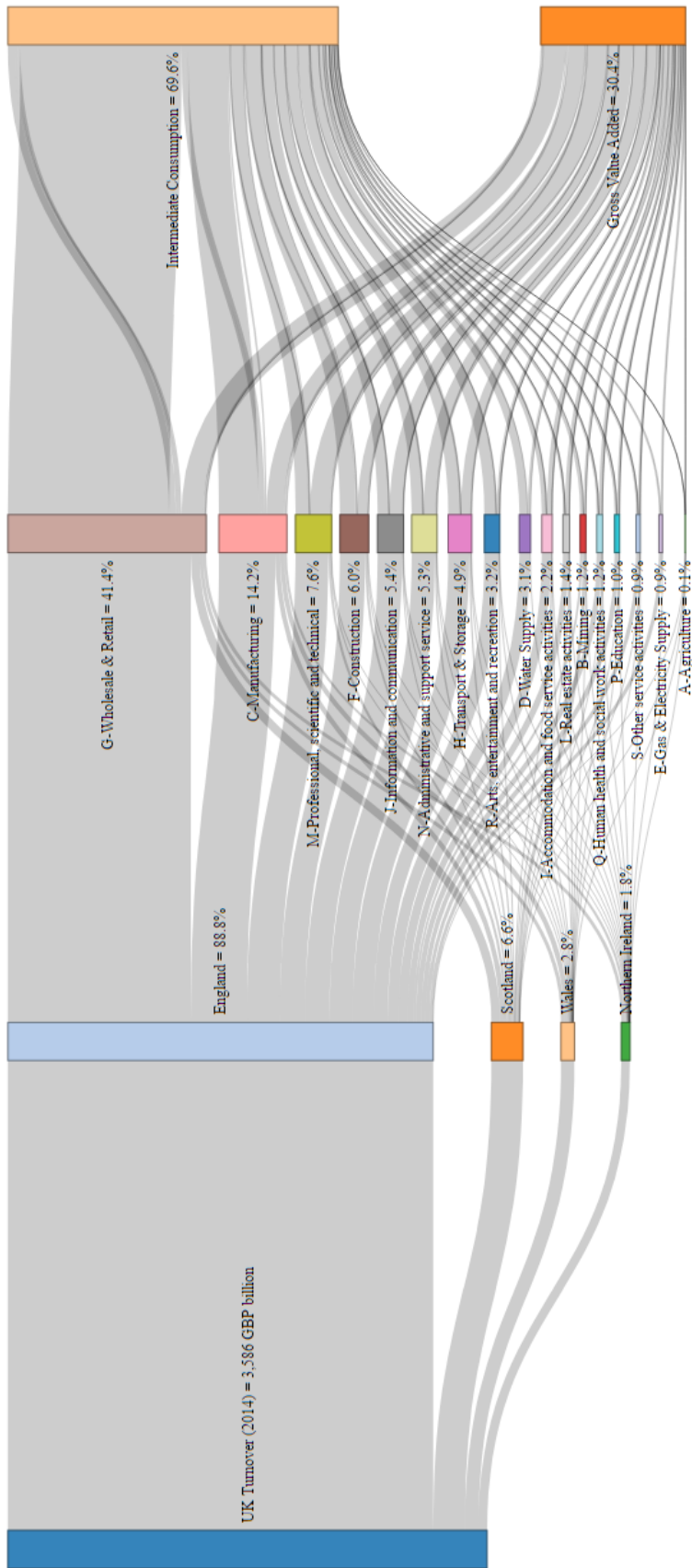
### B.2 UK Production & Agriculture Workforce



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, OECD & Others
  - Exchange rate: <https://www.ecb.europa.eu/stats/exchange/eurofxref>
  - UK composite indicator: <http://stats.oecd.org/Index.aspx>
  - G7 Indicators : <https://tradingeconomics.com/>
  - FTSE 100: [https://uk.webfg.com/index/FTSE\\_100/prices/](https://uk.webfg.com/index/FTSE_100/prices/)

## E Information about EURIS

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