Budget 2018 data sources
Preface

This document provides details of sources of data in all the tables, charts, and graphs in the Autumn Budget 2018 document. In addition, it includes details of sources for some data included in the text where, for reasons of space, it has not been possible to footnote these sources.

The document is aimed at transparently informing readers of the Autumn Budget 2018 document where the data used in the charts, tables, and text comes from and how it has been calculated.

This document also ensures that the Treasury meets the standards set out by the UK Statistics Authority to comply with the Statistics and Registration Service Act 2007. In particular, this document aims to meet 2 of the requirements below of the UK Statistics Authority’s updated ‘Code of Practice for Official Statistics’ and to provide an example of the voluntary application of this code to outputs that are not official statistics:

- to distinguish clearly between outturn data that are official statistics, and other data and estimates that are not official statistics. Examples of estimates that are not official statistics include forecasts, management information, economic estimates calculated by the Treasury or other government departments which are constructed using assumptions or judgements and where the results of economic analyses have a material effect on the resulting estimate
- for outturn data that are official statistics, to clearly refer to the source of the statistics and provide a link to the statistical release. Where possible, the sources that are used and shown are National Statistics

Full details of sources are only provided for outturn data up to 2017-18. Data for future years are forecasts. All of these are outside the domain of official statistics, as

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1 Statistics and Registration Service Act, 2007.
3 The ‘official statistics’ label refers to a specified subset of the quantitative information produced by the government and its nominated agents. Official statistics are produced and published in accordance with provisions set out in the Statistics and Registration Service Act 2007 and in supplementary statistical legislation, and in line with the Code of Practice for Official Statistics.
4 The ‘National Statistics’ label applies to a distinct subset of ‘official statistics’ which has been formally certified by the UK Statistics Authority to be compliant with the professional standards set out in the Code. Public bodies that produce National Statistics have a statutory duty to continue to comply with the Code.
are the estimates of the impacts of government measures or policy decisions, as these are estimated, rather than measured or compiled using statistical processes.

In many cases, data for 2018-19 onwards are taken from the Office for Budget Responsibility’s (OBR) October 2018 ‘Economic and fiscal outlook’ (EFO). Where this is the case, it is mentioned in the text or in this document.

Time series for data that are shown with Office for National Statistics (ONS) time series identifiers codes can be downloaded from the ONS website at: //www.ons.gov.uk.
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Executive summary

First Paragraph

Data
All regions and nations of the UK have lower unemployment than they did in 2010

Data source, including ONS source code if applicable
• Office for National Statistics (ONS)
• Spreadsheet HI00: Headline LFS indicators for all regions

Further reference information
• Regional labour market statistics in the UK, October 2018, HMT calculations

Table 1: Budget 2018 policy decisions

Data
Costings for all scoring measures at Budget 2018

Data source, including ONS source code if applicable
• HM Treasury Policy Costings

Further reference information
• These projections are calculated from economic estimates, detailed costing models, and include numerous assumptions that have a material impact and are therefore outside the domain of official statistics.

Chart 1: Public sector spending 2019-20

Data
Spending on each of the main functions of government, and Total Managed Expenditure.

Data source, including ONS source code if applicable
• Economic estimates
Further reference information

- These figures are calculated as economic estimates, including the effects of assumptions and results from economic and policy analyses that have a material impact, and are therefore outside the domain of official statistics.

- Spending allocations by function are mainly based on HM Treasury analyses of 2017-18 departmental outturn submitted on the OSCAR database. The allocation of spending to functions is largely consistent with the United Nations' Classifications of the Functions of Government (COFOG). Total Managed Expenditure (TME) is presented on a European System of Accounts 2010 (ESA10) basis and is consistent with the Office for Budget responsibility (OBR) 2019-20 fiscal forecast.

- Other expenditure includes general public services (including international services); plus recreation, culture and religion; plus European Union transactions.

- Figures may not sum due to rounding.

- The classifications used for these projections are consistent with the outturn statistics published by HM Treasury in the Public Spending Statistics, July 2018, available at:
  

- More information on COFOG is available at:
  

Chart 2: Public sector current receipts 2019-20

Data
Breakdown of ‘Autumn Budget 2018’ forecast of public sector receipts to its principal contributors

Data source
- Office for Budget Responsibility (OBR)

Further reference information

- 2019-20 public sector receipts forecast taken from the OBR’s ‘Economic and fiscal outlook’ October 2018

- ‘Income tax’ 2019-20 public sector receipts forecast taken from ‘Income tax (gross of tax credits)’ line from Table 4.6 ‘Current receipts’ of the OBR’s ‘Economic and fiscal outlook’ October 2018

- ‘National Insurance contributions’ 2019-20 public sector receipts forecast taken from ‘National insurance contributions’ line from Table 4.6 ‘Current receipts’ of the OBR’s ‘Economic and fiscal outlook’ October 2018
• ‘Excise duties’ 2019-20 public sector receipts forecast taken from lines ‘Fuel duties’, ‘Tobacco duties’ and ‘Alcohol duties’ from Table 4.6 ‘Current receipts’ of the OBR’s ‘Economic and fiscal outlook’ October 2018

• ‘Corporation tax’ 2019-20 public sector receipts forecast taken from ‘Corporation tax’ line from Table 4.6 ‘Current receipts’ of the OBR’s ‘Economic and fiscal outlook’ October 2018

• ‘VAT’ 2019-20 public sector receipts forecast taken from lines ‘Value added tax’ and ‘VAT refunds’ from Table 4.6 ‘Current receipts’ of the OBR’s ‘Economic and fiscal outlook’ October 2018

• ‘Business rates’ 2019-20 public sector receipts forecast taken from ‘Business rates’ line from Table 4.6 ‘Current receipts’ of the OBR’s ‘Economic and fiscal outlook’ October 2018

• ‘Council tax’ 2019-20 public sector receipts forecast taken from ‘Council tax’ line from Table 4.6 ‘Current receipts’ of the OBR’s ‘Economic and fiscal outlook’ October 2018


• ‘Other non-taxes’ 2019-20 public sector receipts forecast taken from ‘Current receipts’ line after ‘National Accounts taxes’ from Table 4.6 ‘Current receipts’ of the OBR’s ‘Economic and fiscal outlook’ October 2018 have been subtracted.
Chapter 1
Economy and public finances

Paragraph 1.1
Data
UK Gross Domestic Product (GDP) growth

Data source, including ONS source code if applicable
- Office for National Statistics (ONS)
- UK annual GDP growth (IHYP)
- UK quarterly GDP growth (IHYQ)

Further reference information
- UK GDP quarterly national accounts, April to June 2018

Data
UK employment level

Data source, including ONS source code if applicable
- Office for National Statistics (ONS)
- Number of people in employment, aged 16+ (MGRZ)

Further reference information
- UK labour market, October 2018
- https://www.ons.gov.uk/employmentandlabourmarket/peopleinwork/employmentandemployeetypes/bulletins/uklabourmarket/october2018

Data
Growth in full time employment

Data source, including ONS source code if applicable
- Office for National Statistics (ONS)
- Full time employment (YCBE)
Further reference information
- UK labour market, October 2018
  - https://www.ons.gov.uk/employmentandlabourmarket/peopleinwork/employmentsituation/bulletins/uklabourmarket/october2018

Data
Nominal and real regular pay growth

Data source, including ONS source code if applicable
- Office for National Statistics (ONS)
- Average weekly earnings regular pay growth (KA18)
- Total consumer price inflation (D7G7)

Further reference information
- UK labour market, October 2018, HMT calculations
  - https://www.ons.gov.uk/employmentandlabourmarket/peopleinwork/employmentsituation/bulletins/uklabourmarket/october2018
- Real wage growth is calculated by HMT by deflating monthly nominal wage growth values using monthly CPI inflation and taking 3-month averages.
- UK consumer price inflation, September 2018
  - https://www.ons.gov.uk/economy/inflationandpriceindices/bulletins/consumerpriceinflation/september2018

Data
Consumer price inflation

Data source, including ONS source code if applicable
- Office for National Statistics (ONS)
- Total consumer price inflation (D7G7)

Further reference information
- UK consumer price inflation, September 2018
  - https://www.ons.gov.uk/economy/inflationandpriceindices/bulletins/consumerpriceinflation/september2018

Data
UK unemployment rate

Data source, including ONS source code if applicable
- Office for National Statistics (ONS)
- Unemployment rate, aged 16+ (MGSX)
Further reference information

- UK labour market, October 2018
- https://www.ons.gov.uk/employmentandlabourmarket/peopleinwork/employmentandemployeetypes/bulletins/uklabourmarket/october2018

Data

UK global competitiveness

Data source, including ONS source code if applicable

- World Economic Forum (WEF)

Further reference information

- The Global Competitiveness Report, 2018-2019
- https://www.weforum.org/

Data

Attractiveness of UK economy for inward investment

Data source, including ONS source code if applicable

- Ernst & Young (EY)

Further reference information

- UK Attractiveness Survey, 2018

Paragraph 1.2

Data

Public investment is set to average 2.2% of GDP over the next 5 years: levels not consistently sustained in 40 years.

Data source, including ONS source code if applicable

- Office for National Statistics (ONS), Office for Budget Responsibility (OBR) and HM Treasury calculations.

Further reference information

- OBR’s ‘Economic and fiscal outlook’ October 2018
- Outturn data for public sector net investment as a per cent of GDP since 1948 is available from the latest ONS public sector finances release, at:

• Forecast for public sector net investment as a per cent of GDP is available from OBR’s ‘Public finances databank’ October 2018,

• Excluding the exceptional financial crisis years of 2008-09 to 2010-11, the last time there was a similar level of public sector net investment was in 1978-79 to 1980-81.

Data
Productivity (output per hour) growth

Data source, including ONS source code if applicable
• Office for National Statistics (ONS)
• Output per hour, whole economy (LZVB)

Further reference information
• Labour productivity, April to June 2018, HMT calculations
• Average productivity growth prior to the financial crisis is calculated by HMT as the arithmetic mean of calendar year growth rates between 1997-2007.
• https://www.ons.gov.uk/employmentandlabourmarket/peopleinwork/labourproductivity/bulletins/labourproductivity/apriltojune2018

Paragraph 1.3

Data
UK GDP growth forecasts

Data source, including ONS source code if applicable
• Office for Budget Responsibility (OBR)
• UK GDP growth forecast

Further reference information
• OBR’s ‘Economic and fiscal outlook’ October 2018
• http://obr.uk/

Data
UK potential output growth forecast

Data source, including ONS source code if applicable
• Office for Budget Responsibility (OBR)
• UK potential output growth forecast
Further reference information
• OBR’s ‘Economic and fiscal outlook’ October 2018
• http://obr.uk/

Data
UK labour market activity forecast

Data source, including ONS source code if applicable
• Office for Budget Responsibility (OBR)
• UK labour market activity forecast

Further reference information
• OBR’s ‘Economic and fiscal outlook’ October 2018
• http://obr.uk/

Data
UK equilibrium unemployment rate forecast

Data source, including ONS source code if applicable
• Office for Budget Responsibility (OBR)
• UK equilibrium unemployment rate forecast

Further reference information
• OBR’s ‘Economic and fiscal outlook’ March 2018
• OBR’s ‘Economic and fiscal outlook’ October 2018
• http://obr.uk/

Data
UK average hours forecast

Data source, including ONS source code if applicable
• Office for Budget Responsibility (OBR)
• UK average hours forecast

Further reference information
• OBR’s ‘Economic and fiscal outlook’ October 2018
• http://obr.uk/
Data
UK employment growth forecast

Data source, including ONS source code if applicable
- Office for Budget Responsibility (OBR)
- UK employment growth forecast

Further reference information
- OBR’s ‘Economic and fiscal outlook’ March 2018
- OBR’s ‘Economic and fiscal outlook’ October 2018
- http://obr.uk/

Paragraph 1.5: Global Economy

Data
GDP growth in the G20, United States, Euro Area and Emerging Markets

Data source, including ONS source code if applicable
- Organisation for Economic Cooperation and Development (OECD)

Further reference information
- Found within ‘National Accounts’, ‘Quarterly National Accounts’, quarterly growth rates of real GDP, change over previous quarter, seasonally adjusted
- https://stats.oecd.org

Data
Global trade volumes growth

Data source, including ONS source code if applicable
- CPB Netherlands Bureau for Economic Policy Analysis

Further reference information
- World trade monitor
- https://www.cpb.nl/en/worldtrademonitor

Data
Global GDP growth forecast

Data source, including ONS source code if applicable
- Office for Budget Responsibility (OBR)
- Global GDP growth at purchasing power parity forecast
Further reference information

- OBR’s ‘Economic and fiscal outlook’ October 2018
- http://obr.uk/

Paragraph 1.6: UK Economy

Data

UK Gross Domestic Product (GDP) growth

Data source, including ONS source code if applicable

- Office for National Statistics (ONS)
- UK annual GDP growth (IHYP)
- UK quarterly GDP growth (IHYQ)

Further reference information

- UK GDP quarterly national accounts, April to June 2018
- https://www.ons.gov.uk/economy/grossdomesticproductgdp/bulletins/quarterlynationalaccounts/apriltounre2018

Data

Spring Statement UK GDP growth forecast

Data source, including ONS source code if applicable

- Office for Budget Responsibility (OBR)
- UK GDP growth forecast

Further reference information

- OBR’s ‘Economic and fiscal outlook’ March 2018
- http://obr.uk/

Paragraph 1.7: UK Economy

Data

UK GDP growth forecast

Data source, including ONS source code if applicable

- Office for Budget Responsibility (OBR)
- UK GDP growth forecast

Further reference information

- OBR’s ‘Economic and fiscal outlook’ October 2018
- http://obr.uk/
Chart 1.1: UK GDP – Contributions to annual GDP growth

Data
Contributions to UK annual GDP growth

Data source, including ONS source code if applicable
- Office for National Statistics (ONS)
- UK quarterly GDP (ABMI)
- Private consumption: household consumption expenditure (ABJR)
- Private consumption: non-profit institutions serving households consumption expenditure (HAYO)
- Government consumption expenditure (NMRY)
- Fixed investment: total gross fixed capital formation (NPQT)
- Net trade total balance (IKBM)
- Other: acquisitions less disposables of valuables (NPJR)
- Other: change in inventories (CAFU)
- Other: difference between GDP (expenditure) and GDP (average) (GIXS)

Further reference information
- UK GDP quarterly national accounts, April to June 2018, HMT calculations

Paragraph 1.8: UK Economy

Data
UK household consumption growth

Data source, including ONS source code if applicable
- Office for National Statistics (ONS)
- UK household consumption expenditure (ABJR)
- UK consumption expenditure of non-profit institutions serving households (HAYO)

Further reference information
- ‘UK economic accounts’, September 2018, HMT calculations
Data
Household consumption growth and employment growth forecasts

Data source, including ONS source code if applicable
- Office for Budget Responsibility (OBR)
- Household consumption growth forecast
- Employment growth forecast

Further reference information
- OBR's ‘Economic and fiscal outlook’ October 2018
- http://obr.uk/

Paragraph 1.9: UK Economy

Data
UK business investment growth

Data source, including ONS source code if applicable
- Office for National Statistics (ONS)
- UK gross fixed capital formation: business investment (NPEL)

Further reference information
- ‘UK economic accounts’, September 2018
- https://www.ons.gov.uk/economy/nationalaccounts/uksectoraccounts/datasets/ukeconomicaccounts

Data
Business investment growth forecast

Data source, including ONS source code if applicable
- Office for Budget Responsibility (OBR)
- Business investment growth forecast

Further reference information
- OBR’s ‘Economic and fiscal outlook’ October 2018
- http://obr.uk/

Paragraph 1.10: UK Economy

Data
Imports and export volumes growth
Data source, including ONS source code if applicable

- Office for National Statistics (ONS)
- Total exports volumes (IKBK)
- Total imports volumes (IKBL)

Further reference information

- UK quarterly national accounts, April to June 2018

Data

Net trade contribution to GDP growth

Data source, including ONS source code if applicable

- Office for National Statistics (ONS)
- UK annual GDP growth (IHYP)
- UK quarterly GDP growth (IHYQ)
- Net trade total balance (IKBM)

Further reference information

- UK quarterly national accounts, April to June 2018, HMT calculations

Data

Net trade contribution to GDP forecast

Data source, including ONS source code if applicable

- Office for Budget Responsibility (OBR)
- Net trade contribution to GDP forecast

Further reference information

- OBR’s ‘Economic and fiscal outlook’ October 2018
- [http://obr.uk/](http://obr.uk/)

**Paragraph 1.11: UK Economy**

Data

Consumer price inflation
Data source, including ONS source code if applicable
- Office for National Statistics (ONS)
- Total consumer price inflation (D7G7)

Further reference information
- UK consumer price inflation, September 2018
- https://www.ons.gov.uk/economy/inflationandpriceindices/bulletins/consumerpriceinflation/september2018

Data
Spring Statement consumer price inflation forecast

Data source, including ONS source code if applicable
- Office for Budget Responsibility (OBR)
- Consumer price inflation forecast

Further reference information
- OBR’s ‘Economic and fiscal outlook’ March 2018
- http://obr.uk/

Data
Consumer price inflation, including housing costs

Data source, including ONS source code if applicable
- Office for National Statistics (ONS)
- Total consumer price inflation, including housing costs (L55O)

Further reference information
- UK consumer price inflation, September 2018
- https://www.ons.gov.uk/economy/inflationandpriceindices/bulletins/consumerpriceinflation/september2018

Data
Consumer price inflation forecast

Data source, including ONS source code if applicable
- Office for Budget Responsibility (OBR)
- Consumer price inflation forecast

Further reference information
- OBR’s ‘Economic and fiscal outlook’ October 2018
Paragraph 1.12: UK Economy

Data
Productivity (output per hour) growth

Data source, including ONS source code if applicable
- Office for National Statistics (ONS)
- Output per hour, whole economy (LZVB)

Further reference information
- UK labour productivity, April to June 2018, HMT calculations
  - https://www.ons.gov.uk/employmentandlabourmarket/peopleinwork/labourproductivity/bulletins/labourproductivity/apriltojune2018

Data
UK Gross Domestic Product (GDP) growth

Data source, including ONS source code if applicable
- Office for National Statistics (ONS)
- UK quarterly GDP growth (IHYQ)

Further reference information
- UK GDP quarterly national accounts, April to June 2018

Data
Total hours worked growth

Data source, including ONS source code if applicable
- Office for National Statistics (ONS)
- Total actual weekly hours worked (YBUS)

Further reference information
- UK labour market, October 2018, HMT calculations
  - https://www.ons.gov.uk/employmentandlabourmarket/peopleinwork/employmentandemployeetypes/bulletins/uklabourmarket/october2018
Paragraph 1.13: UK Economy

Data

Productivity (output per hour) growth forecast

Data source, including ONS source code if applicable

- Office for Budget Responsibility (OBR)
- Productivity growth forecast

Further reference information

- OBR’s ‘Economic and fiscal outlook’ October 2018
- http://obr.uk/

Paragraph 1.14: UK Economy

Data

UK employment level

Data source, including ONS source code if applicable

- Office for National Statistics (ONS)
- Number of people in employment, aged 16+ (MGRZ)

Further reference information

- UK labour market, October 2018
- https://www.ons.gov.uk/employmentandlabourmarket/peopleinwork/employmentandemployeetypes/bulletins/uklabourmarket/october2018

Data

UK unemployment rate

Data source, including ONS source code if applicable

- Office for National Statistics (ONS)
- Unemployment rate, aged 16+ (MGSX)

Further reference information

- UK labour market, October 2018
- https://www.ons.gov.uk/employmentandlabourmarket/peopleinwork/employmentandemployeetypes/bulletins/uklabourmarket/october2018

Chart 1.2: Unemployment rate (16+)

Data

UK unemployment rate
Paragraph 1.15: UK Economy

Data

UK equilibrium employment rate forecast

Data source, including ONS source code if applicable

- Office for National Statistics (ONS)
- Unemployment rate, 16+ (MGSX)

Further reference information

- UK labour market, October 2018
- https://www.ons.gov.uk/employmentandlabourmarket/peopleinwork/employmentandemployeetypes/bulletins/uklabourmarket/october2018

Data

UK equilibrium unemployment rate forecast

Data source, including ONS source code if applicable

- Office for Budget Responsibility (OBR)
- UK equilibrium unemployment rate forecast

Further reference information

- OBR’s ‘Economic and fiscal outlook’ October 2018
- http://obr.uk/

Data

UK average hours forecast

Data source, including ONS source code if applicable

- Office for Budget Responsibility (OBR)
- UK average hours forecast

Further reference information

- OBR’s ‘Economic and fiscal outlook’ October 2018
• [http://obr.uk/](http://obr.uk/)

Data

UK potential output forecast

Data source, including ONS source code if applicable

• Office for Budget Responsibility (OBR)
• UK potential output forecast

Further reference information

• OBR’s ‘Economic and fiscal outlook’ October 2018
• [http://obr.uk/](http://obr.uk/)

Data

UK employment level forecast

Data source, including ONS source code if applicable

• Office for Budget Responsibility (OBR)
• UK employment level forecast

Further reference information

• OBR’s ‘Economic and fiscal outlook’ October 2018
• [http://obr.uk/](http://obr.uk/)

Data

UK unemployment rate forecast

Data source, including ONS source code if applicable

• Office for Budget Responsibility (OBR)
• UK unemployment rate forecast

Further reference information

• OBR’s ‘Economic and fiscal outlook’ October 2018
• [http://obr.uk/](http://obr.uk/)

Paragraph 1.16: UK Economy

Data

Total nominal and regular nominal wage growth

Data source, including ONS source code if applicable

• Office for National Statistics (ONS)
• Average weekly earnings regular pay growth (KAI9)
• Average weekly earnings total pay growth (KAC3)

**Further reference information**
• UK labour market, October 2018

**Data**
Real total pay growth and real regular pay growth

**Data source, including ONS source code if applicable**
• Office for National Statistics (ONS)
• Average weekly earnings total pay growth (KAC3)
• Average weekly earnings regular pay growth (KAI9)
• Total consumer price inflation (D7G7)

**Further reference information**
• UK labour market, October 2018, HMT calculations
• Real wage growth is calculated by HMT by deflating monthly nominal wage growth values using monthly CPI inflation and taking 3-month averages.
• UK consumer price inflation, September 2018

**Data**
UK average earnings forecast

**Data source, including ONS source code if applicable**
• Office for Budget Responsibility (OBR)
• UK average earnings forecast

**Further reference information**
• OBR’s ‘Economic and fiscal outlook’ October 2018
• [http://obr.uk/](http://obr.uk/)
Paragraph 1.17: UK Economy

Data
Real household disposable income (RHDI) per head growth rate

Data source, including ONS source code if applicable
- Office for National Statistics (ONS)
- Real household disposable income per head (CRXX)

Further reference information
- ‘UK economic accounts’, April to June 2018, HMT calculations
- https://www.ons.gov.uk/economy/nationalaccounts/uksectoraccounts/datasets/ukeconomicaccounts

Data
Income inequality

Data source, including ONS source code if applicable
- Office for National Statistics (ONS)
- Gini coefficient for disposable income

Further reference information
- ‘Effects of taxes and benefits on UK household income’, financial year ending 2017

Data
UK real household disposable income (RHDI) per head forecast

Data source, including ONS source code if applicable
- Office for Budget Responsibility (OBR)
- UK RHDI per head forecast

Further reference information
- OBR’s ‘Economic and fiscal outlook’ October 2018
- http://obr.uk/
Table 1.1: Summary of the OBR’s central economic forecast

Data
OBR forecasts with expenditure components

Data source, including ONS source code if applicable

- Office for National Statistics (ONS)
- GDP annual growth (IHYP)
- GDP per capita (IHXW)
- Household consumption expenditure (ABJR)
- Consumption expenditure of non-profit institutions serving households (HAYO)
- General government consumption expenditure (NMRY)
- Total gross fixed capital formation (NPQT)
- Gross fixed capital formation: business investment (NPEL)
- Gross fixed capital formation: general government (KH92)
- Gross fixed capital formation: private dwellings (L636)
- Gross fixed capital formation: transfer costs of non-produced assets (L637)
- Change in inventories (ABMQ)
- Net trade total balance (IKBM)
- Total consumer price inflation (D7G7)
- Number of people in employment, 16+ (MGRZ)
- Unemployment rate, 16+ (MGSX)
- Output per hour, whole economy (LZVD)
- Office for Budget Responsibility (OBR)

Further reference information

- Where ONS data is provided in absolute values, annual percentage growth rates have been calculated by HMT.
- UK GDP quarterly national accounts, April to June 2018, HMT calculations
- UK consumer price inflation, August 2018
Paragraph 1.18: UK Economy

Data
Current account deficit as per cent of GDP

Data source, including ONS source code if applicable
- Office for National Statistics (ONS)
- Balance of payments: current account balance as per cent of GDP (AA6H)

Further reference information
- ‘UK economic accounts’, April to June 2018
- https://www.ons.gov.uk/economy/nationalaccounts/uksectoraccounts/datasets/ukeconomicaccounts

Data
Primary income deficit as per cent of GDP

Data source, including ONS source code if applicable
- Office for National Statistics (ONS)
- Balance of payments: total primary income balance as per cent of GDP (D28M)

Further reference information
- ‘UK economic accounts’, April to June 2018
- https://www.ons.gov.uk/economy/nationalaccounts/uksectoraccounts/datasets/ukeconomicaccounts

Data
Overseas investment income
Data source, including ONS source code if applicable

- Office for National Statistics (ONS)
- Balance of payments: investment income balance (HBOM)

Further reference information

- ‘UK economic accounts’, April to June 2018
- https://www.ons.gov.uk/economy/nationalaccounts/uksectoraccounts/datasets/ukeconomicaccounts

Data

UK current account balance as per cent of GDP

Data source, including ONS source code if applicable

- Office for National Statistics (ONS)
- Balance of payments: current account balance as per cent of GDP (AA6H)

Further reference information

- ‘UK economic accounts’, April to June 2018
- https://www.ons.gov.uk/economy/nationalaccounts/uksectoraccounts/datasets/ukeconomicaccounts

Data

UK current account forecast

Data source, including ONS source code if applicable

- Office for Budget Responsibility (OBR)
- Current account as per cent of GDP forecast

Further reference information

- OBR’s ‘Economic and fiscal outlook’ October 2018
- http://obr.uk/

Paragraph 1.23

Data

Debt interest, if it were a ministry, would be the third-largest government department after health and education

Data source

- Resource DEL excluding depreciation for 2018-19, in Table 1.6, Autumn Budget 2018
• Central government debt interest for 2018-19, in Table 4.34 ‘Key changes to debt interest since March’ of the OBR’s ‘Economic and fiscal outlook’ October 2018

Further reference information
• Gross debt interest in the Economic and Fiscal Outlook can be found at:
  • http://cdn.obr.uk/EFO-october_2018.pdf

Table 1.2: Changes to the OBR’s forecast for public sector net borrowing since March forecast 2018 (£ billion)

Data
Changes to the OBR’s forecasts for public sector net borrowing (PSNB) in £ billion from 2018-19 to 2022-23.

Data source
• Office for Budget Responsibility (OBR) and HM Treasury calculations

Further reference information
• ‘Spring Statement 2018’ is equivalent to ‘March forecast’ in Table 1.3 ‘Changes to public sector net borrowing since March’ of the OBR’s ‘Economic and fiscal outlook’ October 2018

• ‘Total forecast changes since Spring Statement 2018’ forecast series (2018-19 to 2022-23) is the sum of ‘Underlying revisions to receipts’, ‘Underlying revisions to spending’, ‘Classification changes’ in Table 1.3 ‘Changes to public sector net borrowing since March’ of the OBR’s ‘Economic and fiscal outlook’ October 2018

• ‘Receipts forecast’ is equivalent to ‘Underlying revisions to receipts’ in Table 1.3 ‘Changes to public sector net borrowing since March’ of the OBR’s ‘Economic and fiscal outlook’ October 2018

• ‘Spending forecast’ is equivalent to ‘Underlying revisions to spending’ in Table 1.3 ‘Changes to public sector net borrowing since March’ of the OBR’s ‘Economic and fiscal outlook’ October 2018

• ‘Accounting and other changes (including net VAT refund change)’ is equivalent to ‘Classification changes’ in [Table 1.3] ‘Changes to public sector net borrowing since March’ of the OBR’s ‘Economic and fiscal outlook’ October 2018

• ‘Total effect of government decisions since Spring Statement 2018’ is equivalent to ‘Total effect of Government decisions’ in Table 1.3 ‘Changes to public sector net borrowing since March’ of the OBR’s ‘Economic and fiscal outlook’ October 2018
‘Total changes since Spring Statement 2018’ is the calculation between ‘March forecast’ and ‘October forecast’ in in Table 1.3 ‘Changes to public sector net borrowing since March’ of the OBR’s ‘Economic and fiscal outlook’ October 2018 and ‘Autumn Budget 2018’ is equivalent to ‘October forecast’ in Table 4.33 ‘Public sector net borrowing’ of the OBR’s ‘Economic and fiscal outlook’ October 2018

Table 1.3: Overview of the OBR’s borrowing forecast as a percentage of GDP

Data

Outturn data (2017-18) and OBR forecast data (2018-19 to 2023-24) for:

- Public sector net borrowing (PSNB) as a percentage of GDP from 2017-18 to 2023-24
- Cyclically-adjusted public sector net borrowing (CAPSNB) as a percentage of GDP from 2017-18 to 2023-24
- Treaty deficit as a percentage of GDP from 2017-18 to 2023-24
- Output gap as a percentage of GDP from 2017-18 to 2023-24

Data source

- Office for National Statistics (ONS), Office for Budget Responsibility (OBR) and HM Treasury calculations.
- Public sector net borrowing (PSNB) as a percentage of GDP: J5IJ
- Treaty deficit: NNBK
- Nominal GDP: BKTL

Further reference information

- Outturn data for public sector net borrowing as a percentage of GDP and Treaty deficit as a percentage of GDP can be found in the latest ONS public sector finances release, at:
- Forecast series (2018-19 to 2023-24) for public sector net borrowing as a percentage of GDP and Treaty deficit as a percentage of GDP is available from the OBR’s public finances databank (updated for the latest ONS public sector finances release) at:
  - http://obr.uk/data/
- Forecast data and outturn for cyclically-adjusted public sector net borrowing (CAPSNB) as a percentage of GDP and output gap as a percentage of GDP is available from the OBR’s public finances databank (updated for the latest ONS public sector finances release) at:
  - http://obr.uk/data/
• The nominal GDP series for 2017-18 to 2023-24 is available from the OBR’s ‘Economic and fiscal outlook’ October 2018

**Table 1.4: Overview of the OBR's debt forecast as a percentage of GDP**

**Data**

Outturn estimates (2017-18) and OBR forecast data (2018-19 to 2023-24) for:

- Public sector net debt (PSND) as a percentage of GDP from 2017-18 to 2023-24
- Public sector net debt excluding Bank of England (PSNB ex BoE) as a percentage of GDP from 2017-18 to 2023-24
- Public sector net financial liabilities (PSNFL) as a percentage of GDP from 2017-18 to 2023-24
- Treaty debt as a percentage of GDP from 2017-18 to 2023-24

**Data source**

- Office for National Statistics (ONS) and Office for Budget Responsibility (OBR)
- Public sector net debt (PSND) as a percentage of GDP, Public sector net debt excluding Bank of England (PSNB ex BoE) as a percentage of GDP and Public sector net financial liabilities (PSNFL) as a percentage of GDP taken from the OBR’s ‘Economic and fiscal outlook’ as these use the latest GDP forecast from the OBR’s Autumn Budget to produce the end-March centred level for 2017-18 GDP.
- Nominal GDP series: BKTL
- Treaty debt on a Maastricht basis: BKPX
- HMT calculation to express Treaty debt as percentage of nominal GDP using the financial year GDP rather than end-March centred GDP.

**Further reference information**

- Outturn data for public sector net debt, public sector net debt ex Bank of England and public sector net financial liabilities as a percentage of GDP and Treaty debt on a Maastricht basis can be found in the latest ONS public sector finances release, at:
- Forecast and estimates (2017-18 to 2023-24) are available from the OBR’s ‘Economic and fiscal outlook’ October 2018

**Paragraph 1.31**

**Data**

HMT calculation of the value of headroom against Debt falling target and compared to last forecast.
Data source, including ONS source code if applicable

OBR forecast for Public Sector Net Debt (excluding banks) and nominal GDP centred on the end of March.

Further reference information

The value for headroom is calculated as the difference in pounds billion between the current level of the Debt to GDP ratio, as measured in absolute terms in the OBR’s forecast, and the level of debt that would maintain the Debt to GDP ratio in the previous year of the forecast.

The difference is then measured against the same calculation for the previous forecast.

Forecast data for Spring Statement 18 and Budget 18 can be found in Table 1.4 ‘Changes to public sector net debt since March’ of the OBR’s ‘Economic and fiscal outlook’ October 2018

Chart 1.3: Cyclically-adjusted public sector net borrowing (CAPSNB)

Data


Data source

- Office for Budget Responsibility (OBR)

Further reference information

- Outturn for cyclically-adjusted aggregates is available from the OBR’s public finances databank (updated for the latest ONS public sector finances release) at:
  - [http://obr.uk/data/](http://obr.uk/data/)
- Outturn and forecast series (2016-17 to 2023-24) is available from the OBR’s ‘Economic and fiscal outlook’ October 2018

Paragraph 1.32

Data

HMT calculation of the value of headroom against Debt falling target.

Data source, including ONS source code if applicable

OBR forecast for Public Sector Net Debt (excluding banks) and nominal GDP centred on the end of March.
Further reference information

The value for headroom is calculated as the difference in pounds billion between the current level of the Debt to GDP ratio, as measured in absolute terms in the OBR’s forecast, and the level of debt that would maintain the Debt to GDP ratio in the previous year of the forecast.

Chart 1.4: Public sector debt

Data

Public sector net debt (PSND) as a percentage of GDP from 2009-10 to 2023-24
Public sector net debt ex Bank of England (PSND ex BoE) as a percentage of GDP from 2009-10 to 2023-24
Public sector net financial liabilities (PSNFL) as a percentage of GDP from 2009-10 to 2023-24

Data source

- Office for National Statistics and Office for Budget Responsibility.
- Public sector net debt (% GDP): HF6X
- Public sector net debt excluding Bank of England (% GDP): CPOA
- Public sector net financial liabilities (% GDP): CPOE
- For 2017-18, public sector net debt (PSND) as a percentage of GDP, public sector net debt (PSND) ex Bank of England as a percentage of GDP and public sector net financial liabilities (PSNFL) as a percentage of GDP are taken from the OBR’s ‘Economic and fiscal outlook’ as these use the latest GDP forecast from the OBR’s Autumn Budget to produce the end-March centred level for 2017-18 GDP

Further reference information

- Outturn data (2009-10 to 2017-18) can be found in the latest ONS public sector finances release, at the link below.
- Forecast series (2017-18 to 2023-24) are available from the OBR’s public finances databank (updated for the latest ONS public sector finances release) at:
  - http://obr.uk/data/
- Forecast series (2017-18 to 2023-24) are available from the OBR’s ‘Economic and fiscal outlook’ October 2018.
Table 1.5 Departmental Capital Budgets

Data
Capital departmental expenditure limits (CDEL)

Data source
- HMT DEL plans are used for all years
- OBR forecast of allowance for shortfall
- These are not official statistics

Table 1.6 Departmental Resource Budgets

Data
Resource departmental expenditure limits (RDEL) excluding depreciation

Data source
- HMT DEL plans are used for all years
- OBR forecast of allowance for shortfall
- These are not official statistics

Table 1.7 Aggregate Departmental Resource Budgets

Data
Resource departmental expenditure limits (RDEL) excluding depreciation

Data source
- HMT DEL plans are used for all years
- OBR forecast of allowance for shortfall
- These are not official statistics

Chart 1.5 Total Resource DEL excluding depreciation, 2010-11 to 2023-24

Data
Resource departmental expenditure limits (RDEL) excluding depreciation in 2018-19 prices

Data source
- HMT Public Expenditure Statistical Analyses and Public Spending Statistics
- OBR Spring Statement 2018 forecast
• HMT DEL plans are used for future years

**Further reference information**

• HM Treasury Public Spending Statistics, July 2018
• OBR, ‘Economic and fiscal outlook’, October 2018

**Table 1.8 Financial Transactions**

**Data**

Financial transactions: impact on central government net cash requirement

**Data source**

• Economic estimates

**Further reference information**

These projections are calculated from economic estimates, detailed costing models, and include numerous assumptions that have a material impact; they are therefore outside the domain of official statistics

**Table 1.9 Total Managed Expenditure**

**Data**

Aggregate figures for public sector current expenditure, public sector gross investment, and total managed expenditure

Total resource and capital departmental expenditure limits (DELS)

**Data source**

• OBR AME forecasts for 2018-19 to 2023-24 inclusive
• HM Treasury DEL plans for 2018-19 to 2023-24 inclusive.
• OBR forecast of allowance for shortfall in DEL.
• These are not official statistics

**Further reference information**

• OBR, ‘Economic and fiscal outlook’, October 2018
Chart 1.6: Forecast changes in public sector net financial liabilities components over time

Data

Breakdown of public sector net financial liabilities (PSNFL) into its principal components from 2006-07 to 2023-24 as a percentage of GDP

Data source

- Office for National Statistics (ONS), Office for Budget Responsibility (OBR) and HM Treasury calculations.
- Public sector net financial liabilities (PSNFL) as a percentage of GDP: CPOE
- Loans: CPNN, CPMZ
- Equity CPNA, CPNO
- Pensions entitlements: CPMV, CPNW
- Debt securities: CPNI, CPNV
- Monetary gold and special drawing rights: CPMU, CPNT
- Currency and deposits: CPNH, CPNU
- Other: CPNP and CPNB (Non-life insurance technical reserves), CPMW and CPNX (Standardised guarantees), CPMX and CPNY (Financial derivatives) CPMY and CPNC (Other Accounts Receivable).
- Nominal GDP series: BKTL
- HMT calculations to express assets and liabilities as percentage of nominal GDP using.

Further reference information

- Outturn data for public sector net financial liabilities as a percentage of GDP can be found in the latest ONS public sector finances release, at:
- Forecast series (2018-19 to 2023-24) are available from the OBR’s ‘Economic and fiscal outlook’ October 2018.
Chapter 2
Policy decisions

Table 2.1: Budget 2018 policy decisions

Data
Costings for all scoring measures at ‘Budget 2018’
Costings for all scoring measures announced at ‘Autumn Budget 2017’ or earlier which take effect from November 2018 or later

Data source, including ONS source code if applicable
• HM Treasury policy costings

Further reference information
• These projections are calculated from economic estimates, detailed costing models, and include numerous assumptions that have a material impact; they are therefore outside the domain of official statistics
Chapter 3
Tax

Chapter 3: Paragraph 3.2 and 3.7

Data

The chapter text states that “in 2019-20 a typical basic rate taxpayer will pay £130 less tax than in 2018-19 and £1,205 less tax than in 2010-11.”

The income tax Personal Allowance will have increased from £11,850 in 2018-19 to £12,500 in 2019-20. This means that a typical taxpayer in the basic rate band will receive £650 more of their income tax-free, where previously it would have been taxed at the basic rate of 20%. This is a cash gain of £130 a year. Typical taxpayers above the higher rate threshold will gain by different amounts, reflecting the additional impact of changes in the higher rate threshold.

Similarly, the income tax Personal Allowance will have increased from £6,475 in 2010-11 to £12,500 in 2019-20. This means that a typical taxpayer in the basic rate band will receive £6,025 more of their income tax-free, where previously it would have been taxed at the basic rate of 20%. This is a cash gain of £1,205 a year. Typical taxpayers above the higher rate threshold will gain by different amounts, reflecting the additional impact of changes in the higher rate threshold.

Data source, including ONS source code if applicable

- HM Treasury analysis
Chapter 4
Productivity

Chapter 4: Chart 4.1, UK Productivity Over time

Data
Long term, wages rise alongside productivity

Data source, including ONS source code if applicable

- HMT Calculation using ONS data
- Real Total Compensation per employee is calculated via Total Compensation (DTWN) divided by a CPI index (YBGB) divided by the Number of Employees (MGRZ).
- Gross Domestic Product (ABMI) divided by Number of People in Employment (MGRZ)

Further reference information

Real Total Compensation per employee

- DTWN
- YBGB
- MGRZ

Output per employee

- ABMI
- MGRZ
• https://www.ons.gov.uk/employmentandlabourmarket/peopleinwork/employmentandemployeetypes/timeseries/mgrz/lms?referrer=search&searchTerm=mgrz

Chapter 4: Table 4.1, National Productivity Investment Fund

Data
Autumn Budget 2017 policy decisions

Data source, including ONS source code if applicable
• HMT policy costings

Further reference information
• Autumn Budget 2017

Chapter 4: Table 4.2, New Help to Buy regional property price caps

Data
Land Registry UK House Price Index data for First Time Buyers for 2017/18

Data source, including ONS source code if applicable
HMT analysis using:
• UK House Price Index data
• OBR determinant for house price growth

Further reference information
Chapter 5
Public services and cost of living

Chapter 5 Paragraph 5.1

Data
The core schools budget is at a record high, standing at more than £42 billion

Data source, including ONS source code if applicable
- Dedicated Schools Grant: 2018 to 2019’, Department for Education, July 2018

Further reference information

Data
and the government has allocated £5.8 billion between 2015 and 2020 to deliver new school places

Data source, including ONS source code if applicable
- Basic need allocations’, Department for Education, March 2016

Further reference information
- https://www.gov.uk/government/publications/basic-need-allocations

Data
A further £6.3 billion was invested in the NHS at Autumn Budget 2017 for frontline services and improving buildings and facilities

Data source, including ONS source code if applicable
- Autumn Budget 2017’, HM Treasury, November 2017

Further reference information
Paragraph 5.2 and 5.44

Data
National Living Wage support of earnings growth for workers in lower paid jobs

Data Source
- Office for National Statistics (ONS)
- Annual Survey of Hours and Earnings

Further reference information
- UK Annual Survey of Hours and Earnings, November 2015, HMT analysis
- UK Annual Survey of Hours and Earnings, October 2018, HMT analysis
- https://www.ons.gov.uk/releases/analysesbasedonannualsurveyofhoursanda rearningsprovisional2018andrevised2017
- Gross weekly earnings of full-time employees whose pay period was not affected by absence were taken at every 5th percentile for 2015 and 2018, with values converted to constant prices using the Consumer Price Index.
- These values were then used to calculate the real change in gross weekly earnings across the period

Paragraph 5.32

Data
This investment will mean that 2.4 million households will keep an extra £630 of income each year.

Data source, including ONS source code if applicable
- Number of households benefitting from DWP analysis based on their Integrated Forecasting Model and Policy Simulation Model, consistent with information provided to the OBR on policy costings for their forecast.
- Extra income from internal HM Treasury analysis.
Annex A
Financing

Chart A.1: Proportions of index-linked debt in the portfolio under alternative issuance splits

Data
Chart showing the proportion of Index-Linked debt in the portfolio.

Data source, including ONS source code if applicable
- DMO models
- These are calculated from long run simulations from the point where the composition of the debt stock stabilises.
- The error bars show the distribution of the long-run stable proportion of index-linked gilts in the debt portfolio for different proportions of index-linked issuance. The average maturity assumptions for conventional and index-linked gilt issuance are taken from the 2017-18 outturn and carried forward into future years.

Further reference information
- Managing Fiscal Risks in the Data Sources
- Not official statistics.

Chart A.2: Annual changes in PSNB under different proportions of index-linked debt

Data
Chart showing the year on year change in debt interest.

Data source, including ONS source code if applicable
- DMO models
- The chart depicts the 5th to 95th percentiles measured at the long run position where the composition of the debt stock stabilises.
• Chart A2 shows the distribution of the long-run year-on-year changes in PSNB for different proportions of index-linked gilts in the debt portfolio on an uplifted nominal basis.

Further reference information

• Managing Fiscal Risks in the Data Sources:


  • Not official statistics.

Table A.1: Financing arithmetic in 2018-19

Data
Table shows the government’s total cash borrowing requirement, and how we will source the finance needed to meet this in 2018-19. It is an in-year revision, relative to Debt management report 2018 and April 2018 when 2017-18 numbers were finalised.

Data source, including ONS source code if applicable

• CGNCR-ex: OBR's Economic and Fiscal Outlook October 2018
• Gilt Redemptions: DMO website
• Planned financing for the reserves: HM Treasury (Summer Budget 2015 and Debt management report 2018)
• Financing adjustment: The Net Financing requirement from the previous financial year less the Total financing from that year
• Contribution from NS&I: NS&I
• Other Financing: HM Treasury forecasts
• Financing decisions: HM Treasury policy decision at Autumn Budget 2018
• DMO net cash position: DMO website

Further reference information

• DMO website announcement & further details of 2018-19 Remit revision at Autumn Budget 2018 will be published at:

Table A.2: Illustrative gross financing requirement

Data
Table shows the government’s expected cash borrowing requirement over the forecast period.

Data source, including ONS source code if applicable
- CGNCR-ex: OBR’s Economic and Fiscal Outlook October 2018
- Gilt Redemptions: DMO website
- Planned financing for the reserves: HM Treasury (Summer Budget 2015 and Debt management report 2018)

Further reference information
- DMO website announcement & further details of 2018-19 Remit revision at Autumn Budget 2018 will be published at:
HM Treasury contacts

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