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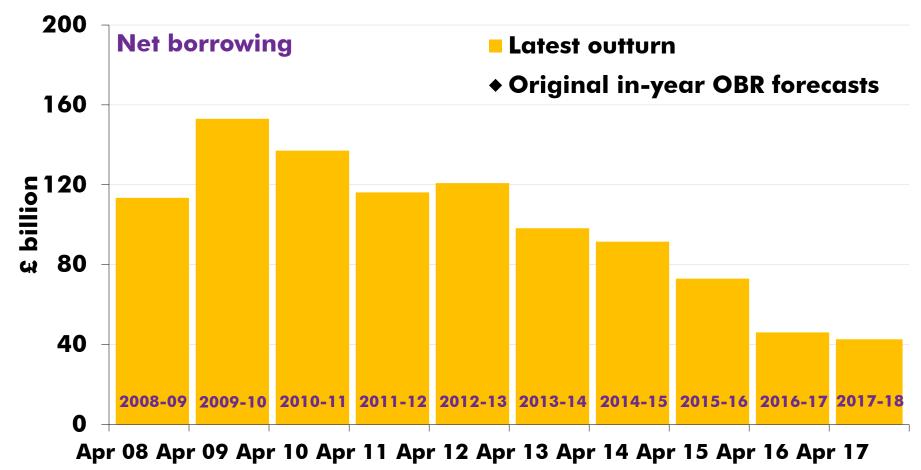
Fiscal forecasting: the in-year challenge

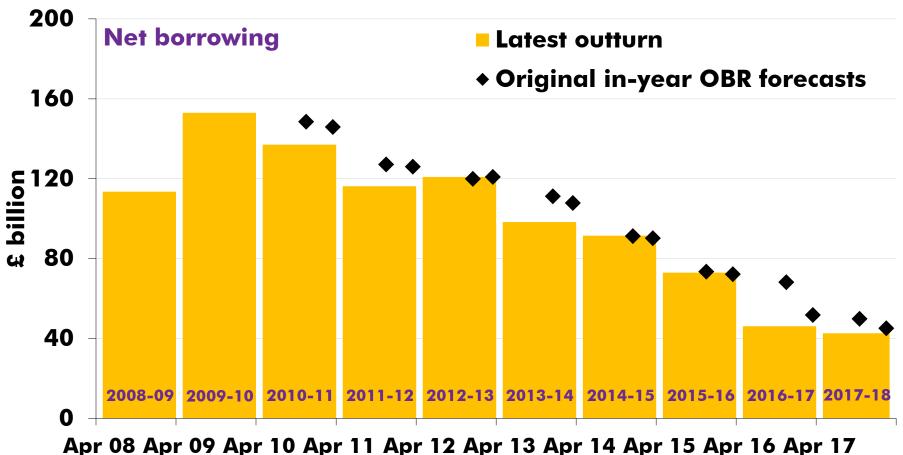
Robert Chote Chairman

Society of Professional Economists 28 September 2018

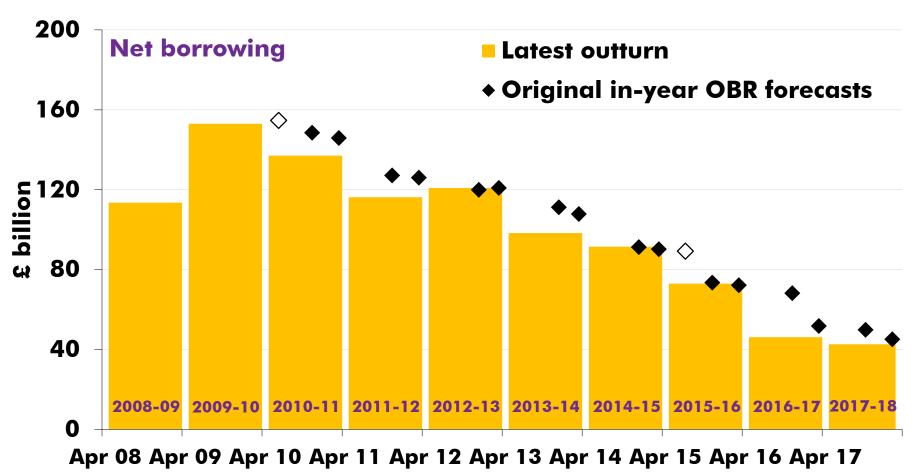
Background

- In-year fiscal forecasts and monitoring matter
 - To market participants interested in government debt issuance
 - As the 'jumping-off point' for our medium-term forecasts
- So today I will discuss
 - How we produce in-year forecasts
 - Some of the challenges in tracking public finances in-year
 - Our performance to date and lessons
- More detail here:
 - <u>http://obr.uk/in-year-fiscal-forecasting-and-monitoring</u>

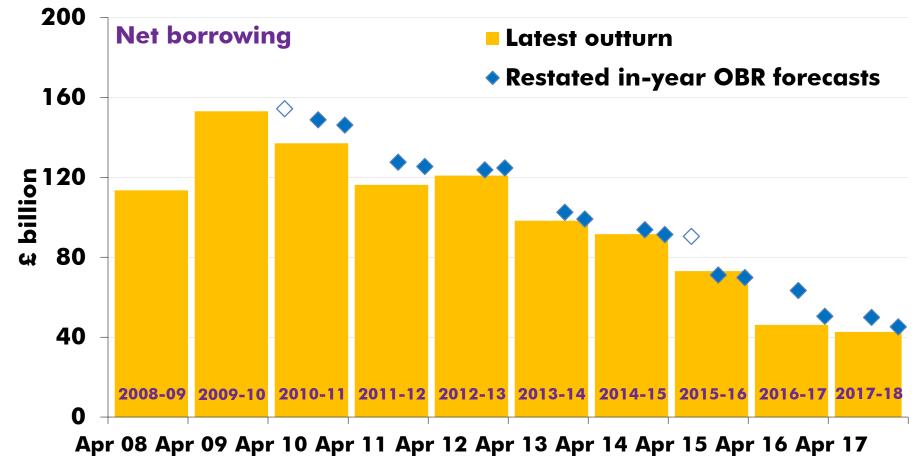




Date of forecast



Date of forecast



Like-for-like adjustments

- Classification changes in/out of public sector
 - Royal Mail Pension Plan
 - Bradford & Bingley
 - Housing associations
- Treatment changes
 - 3G spectrum auction
 - APF cash transfers
 - Tax litigation provision
 - Time-shifting corporation tax payments
- Move to ESA10 and PSF reviews

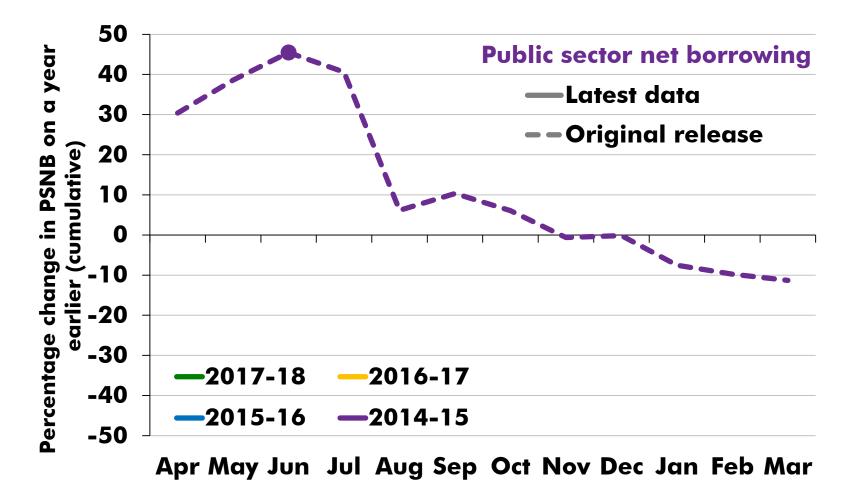
Approaches to in-year forecasts

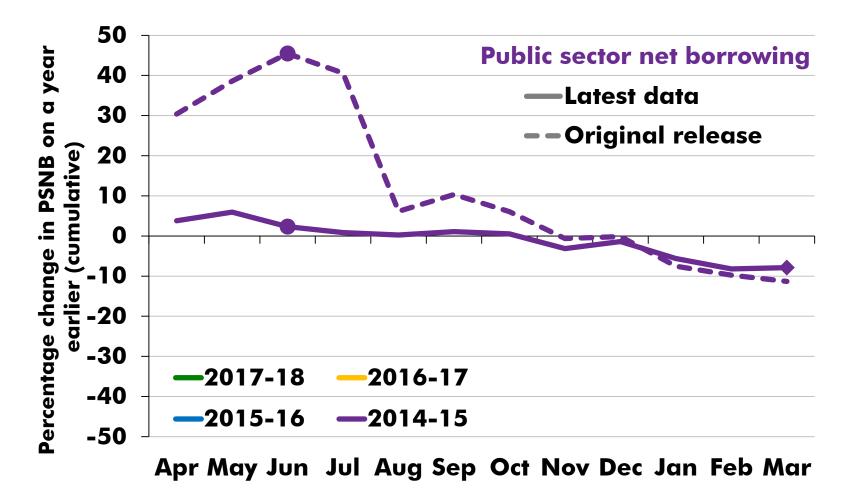
• Extrapolating year-to-date changes

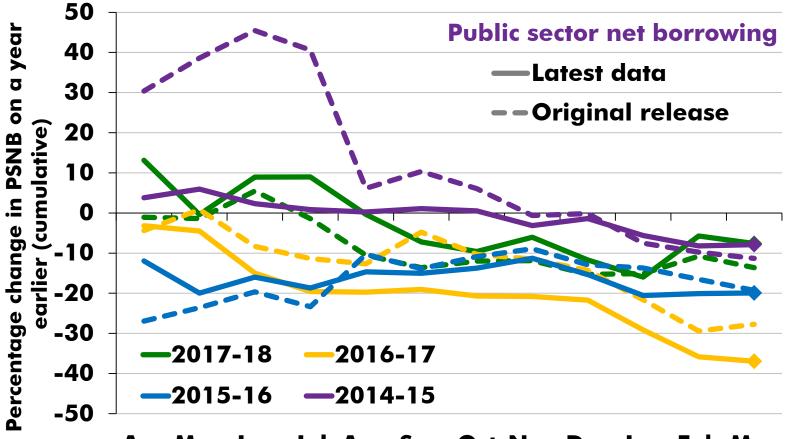
• Comparing historical monthly shares

• Incorporating other factors

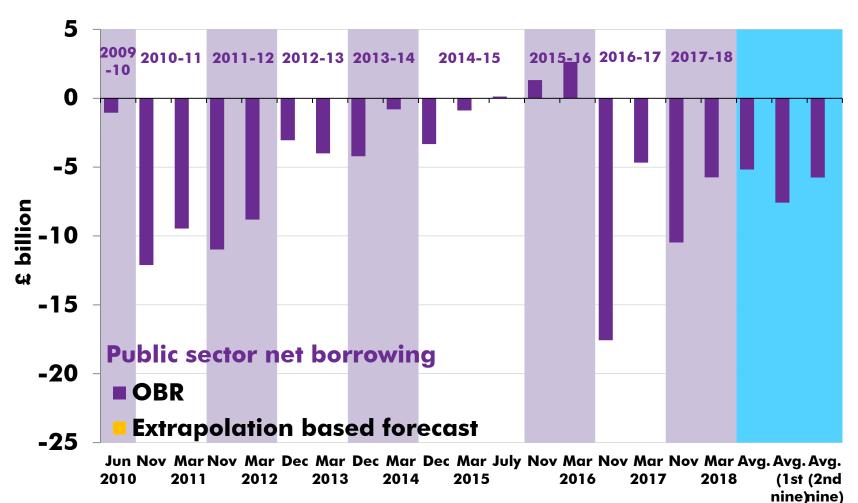
- Look at growth rate over year to date relative to same period last year and apply over full year
- Simple, but
 - Outturn data prone to revision
 - Cashflows spread unevenly and inconsistently
 - Timing and policy can distort current and base year

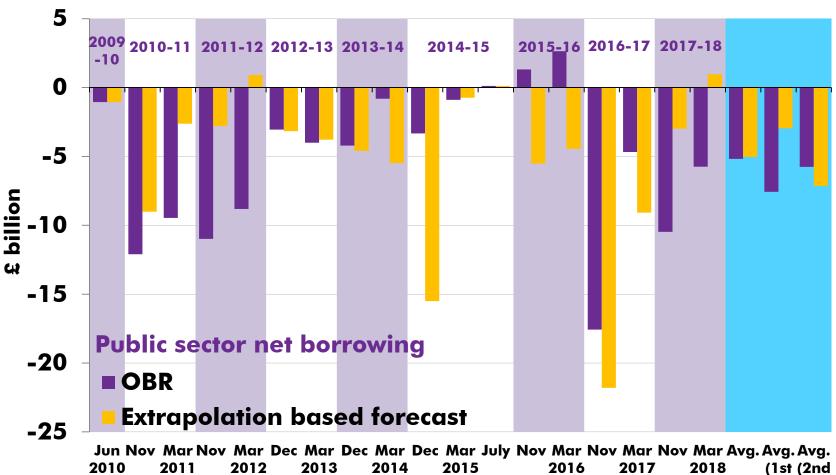






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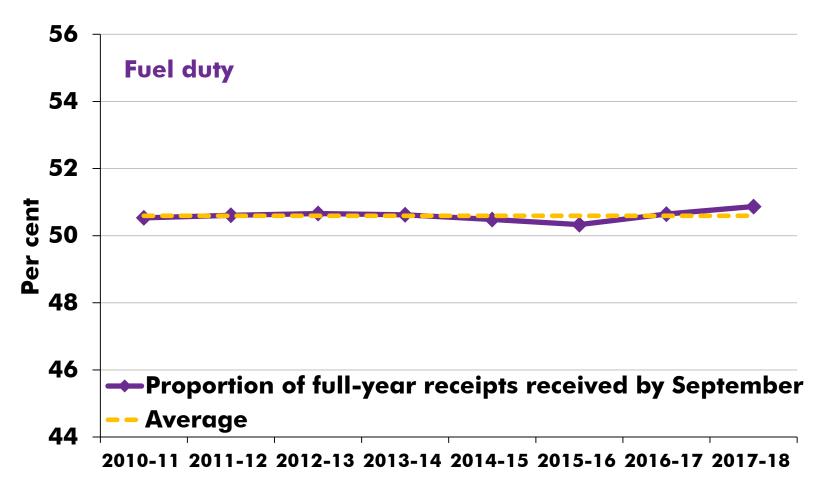




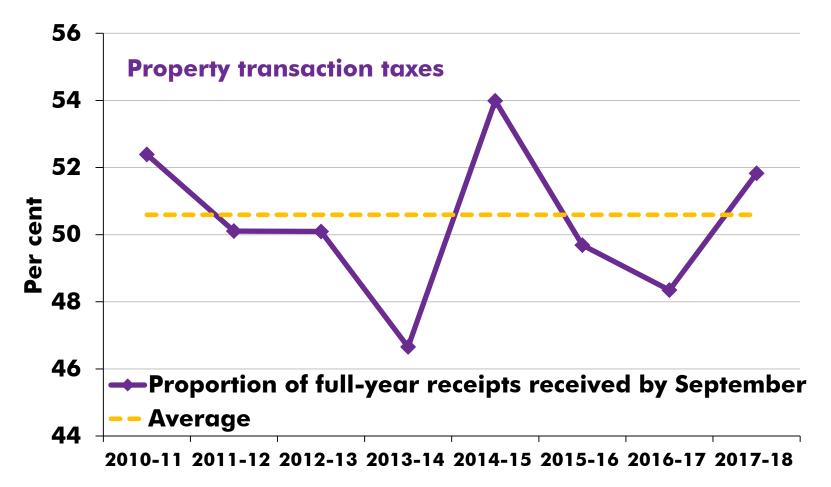
Comparing historic monthly shares

- Scale up a category of receipts or spending year-todate according to the proportion of the full-year total typically recorded at that point in the year
- Simple, and less prone to base-effect distortions
- But depends on stability of monthly distribution
 So difficult when policy changes

Comparing historic monthly shares



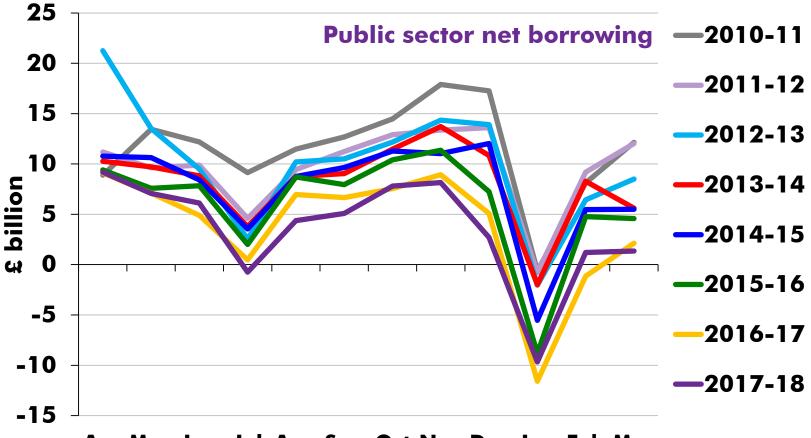
Comparing historic monthly shares



Incorporating other factors

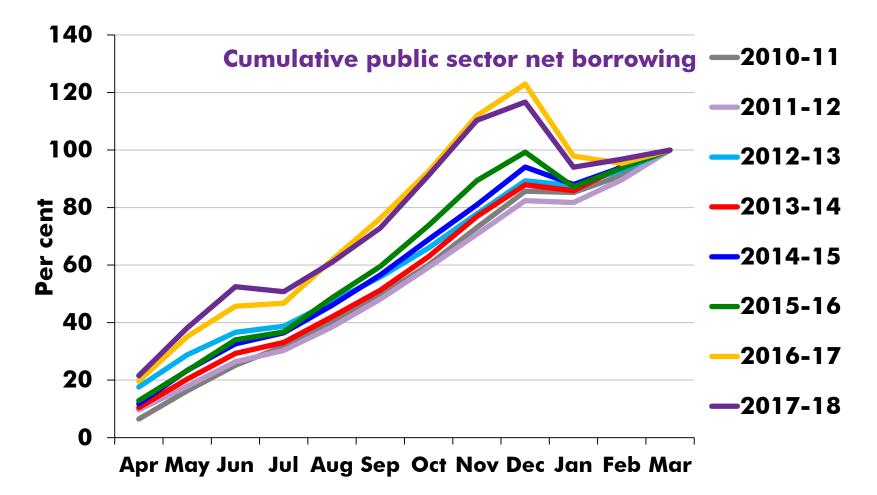
- Near-term economic developments
 - E.g. near-term RPI movements
- Operational factors and timing effects – E.g. date of Easter
- Policy effects
 - E.g. forestalling
- Departmental monthly profiles

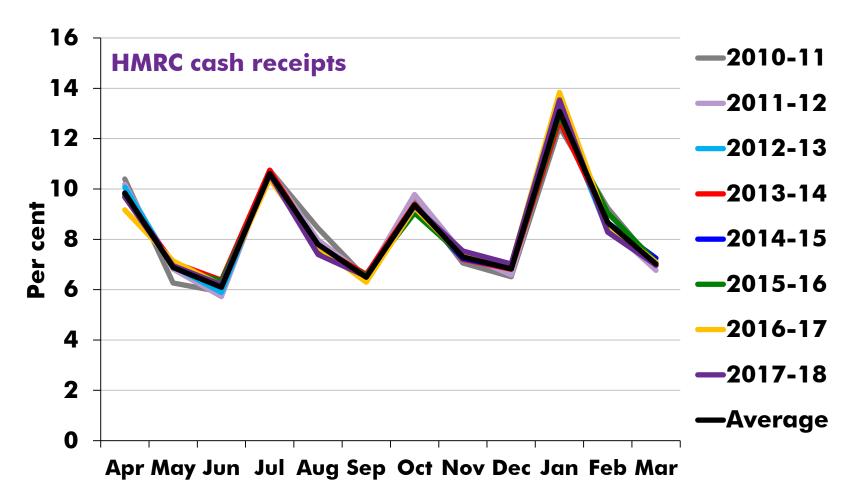
Public finances month by month

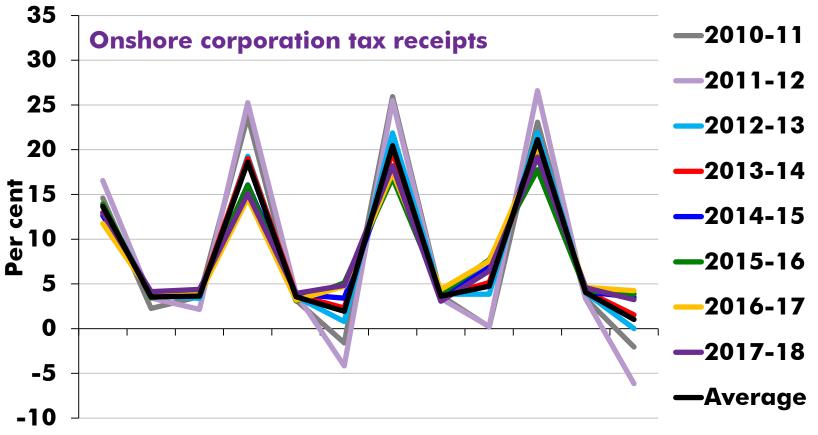


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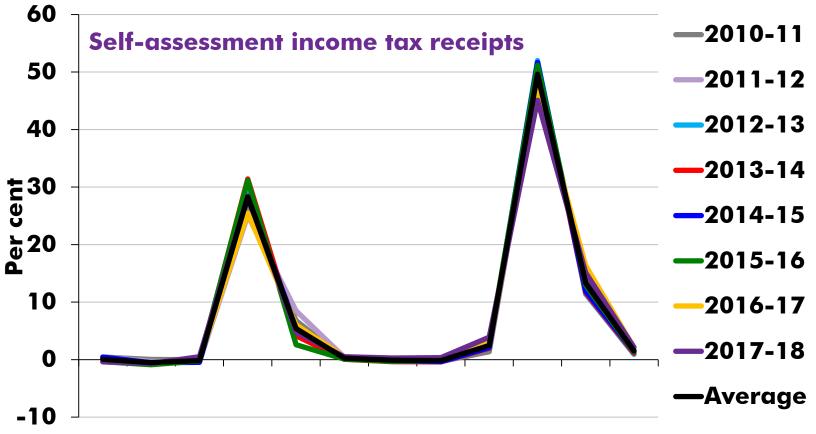
Public finances month by month



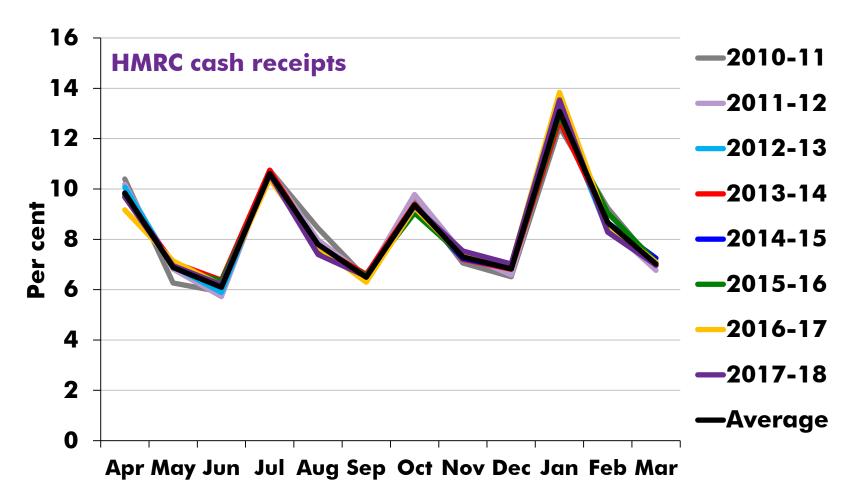


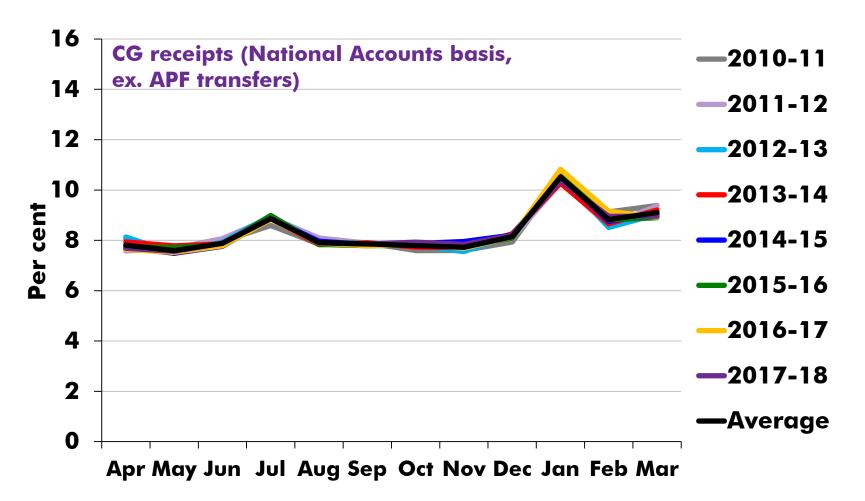


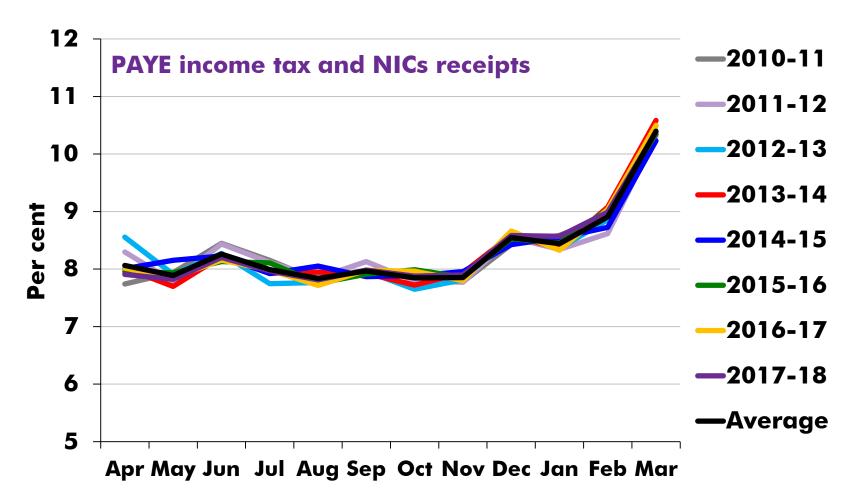
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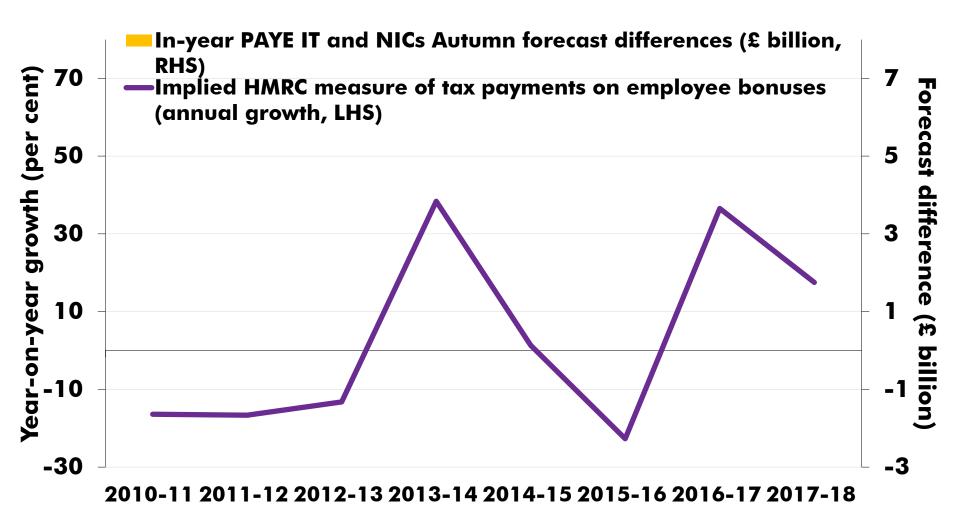
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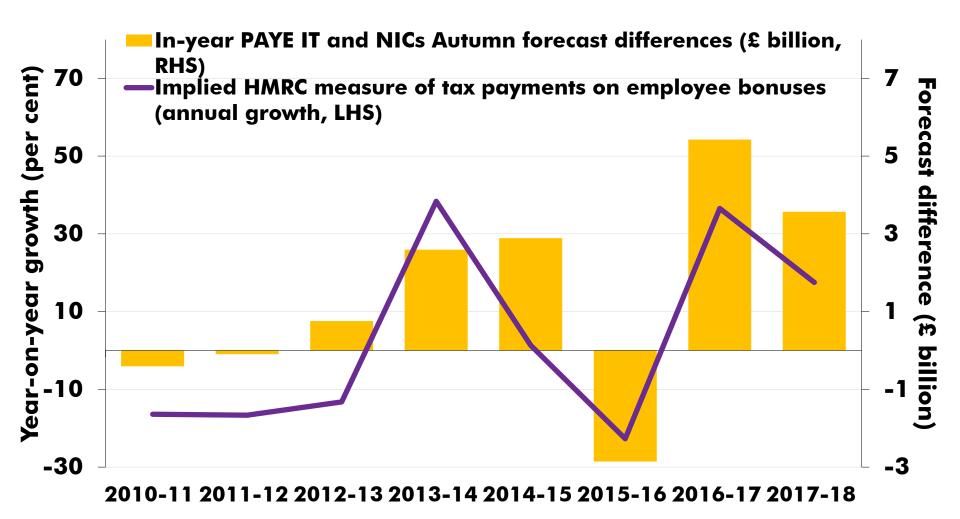




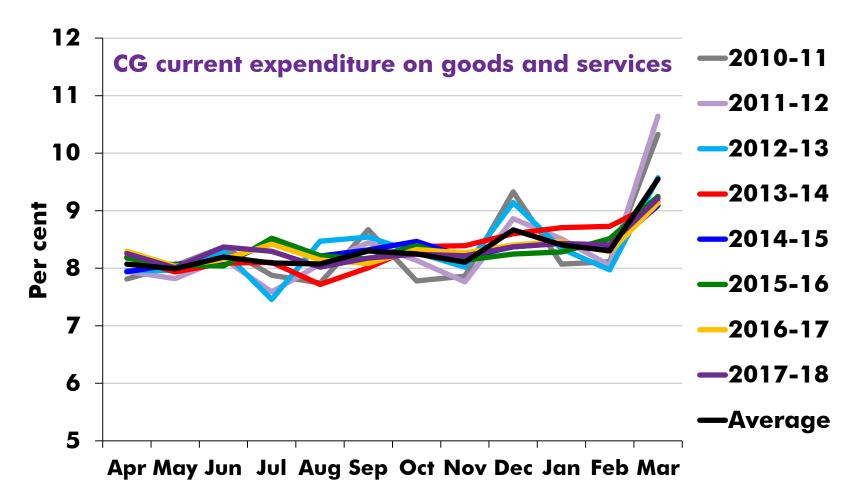
Tax payments on bonuses



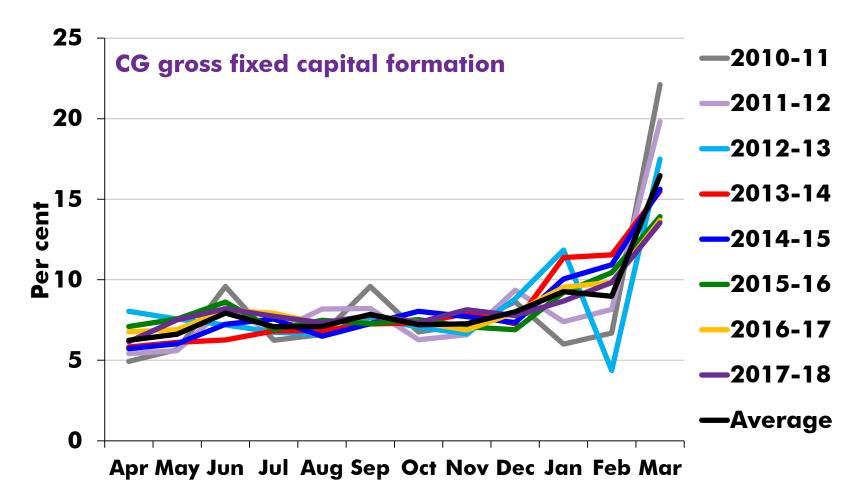
Ta payments on bonuses



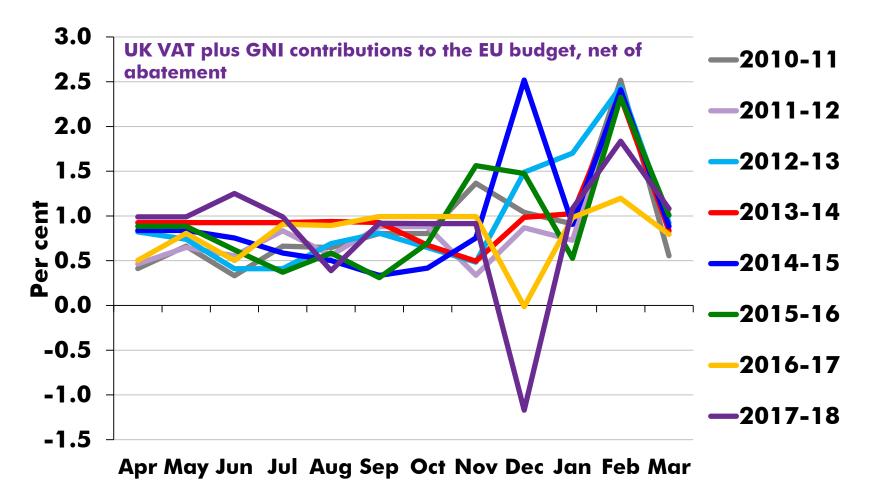
Spending month by month



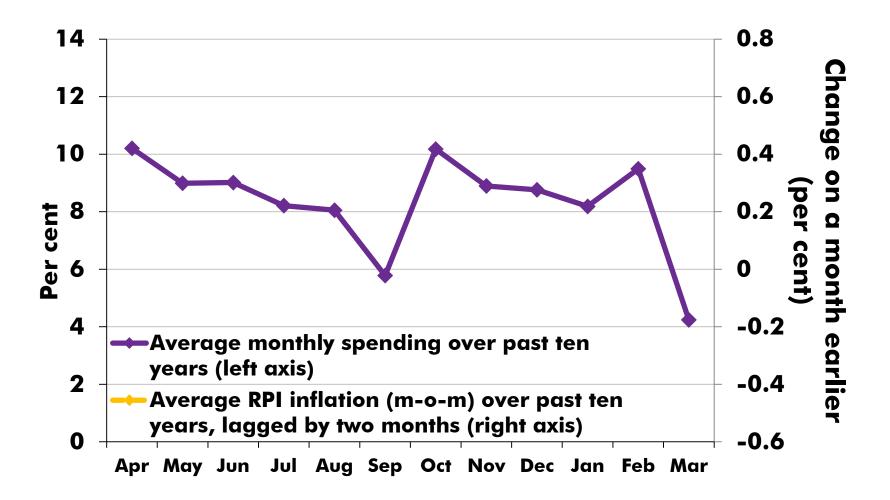
Spending month by month



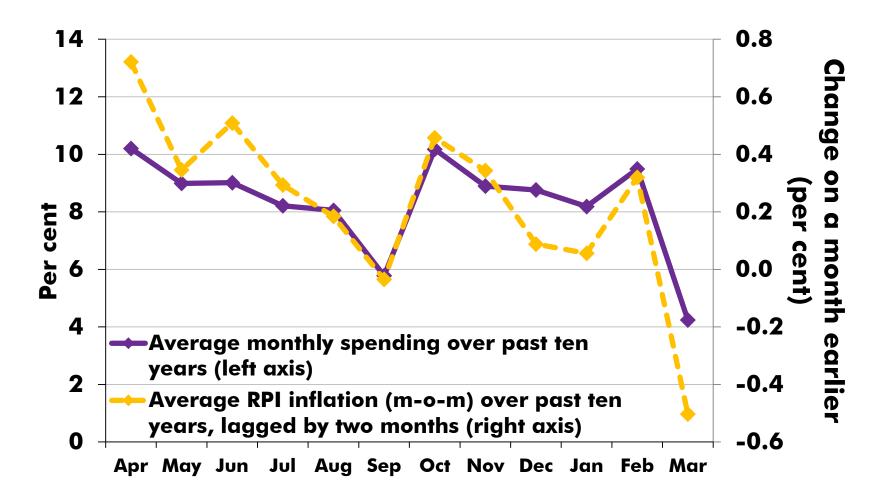
Spending month by month



Debt interest spending

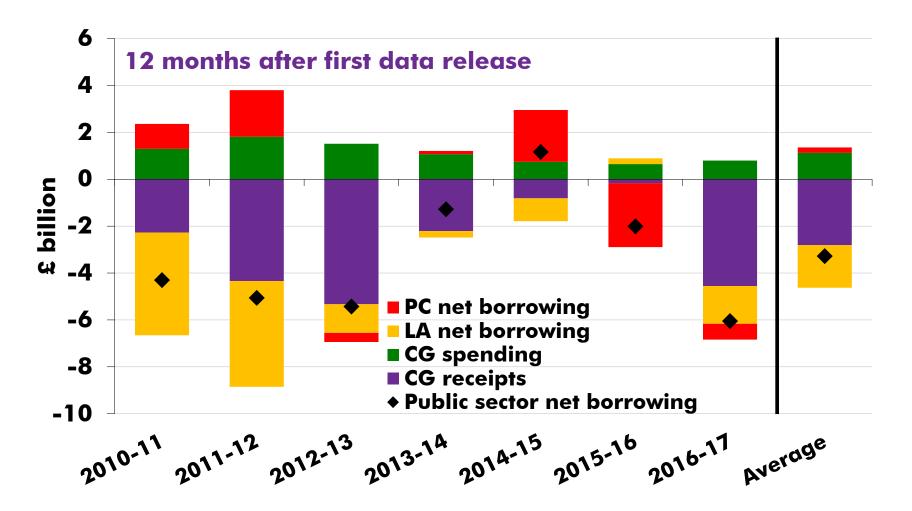


Debt interest spending

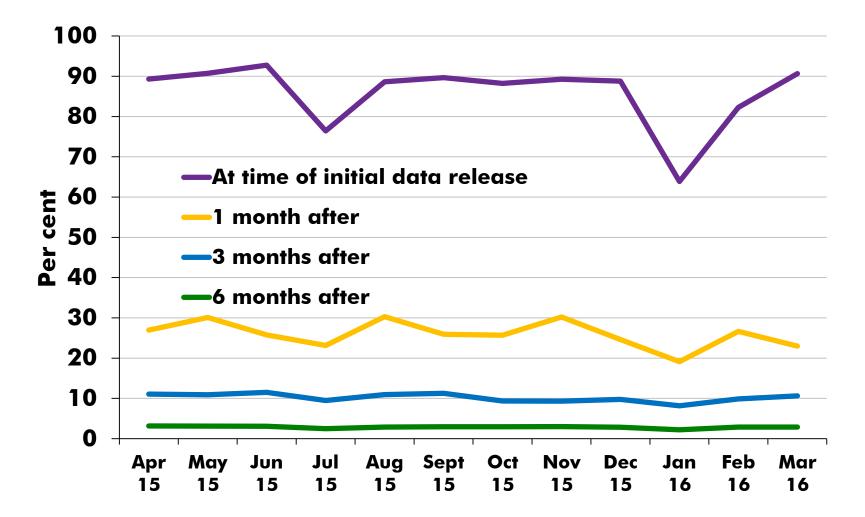


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Data revisions

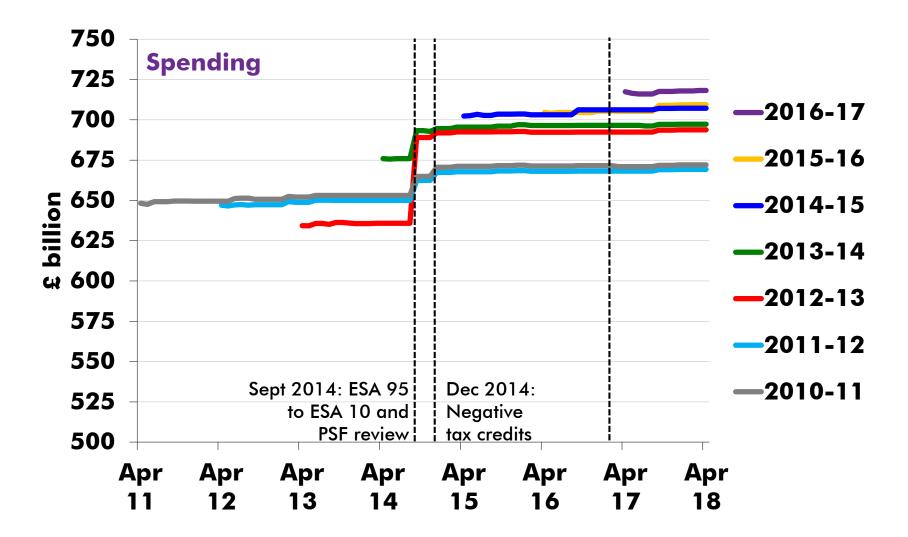


When outturns are forecasts

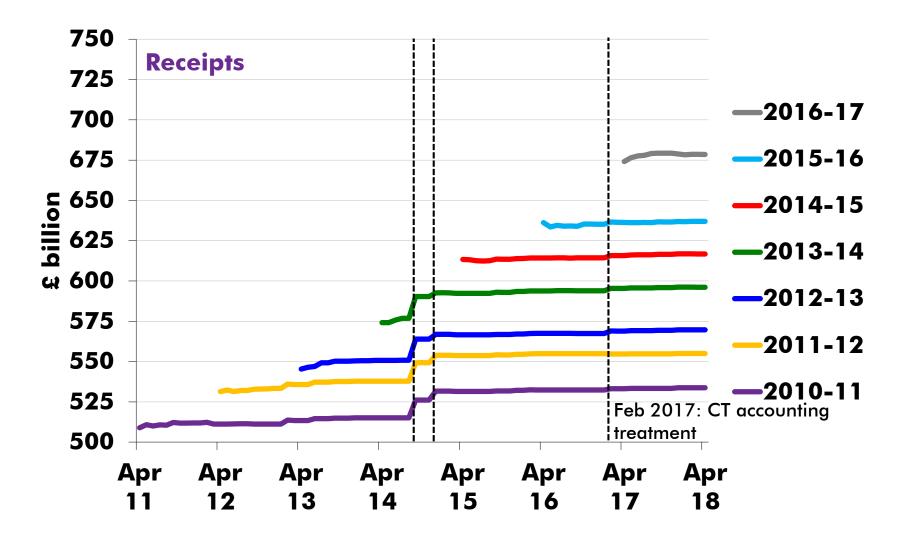


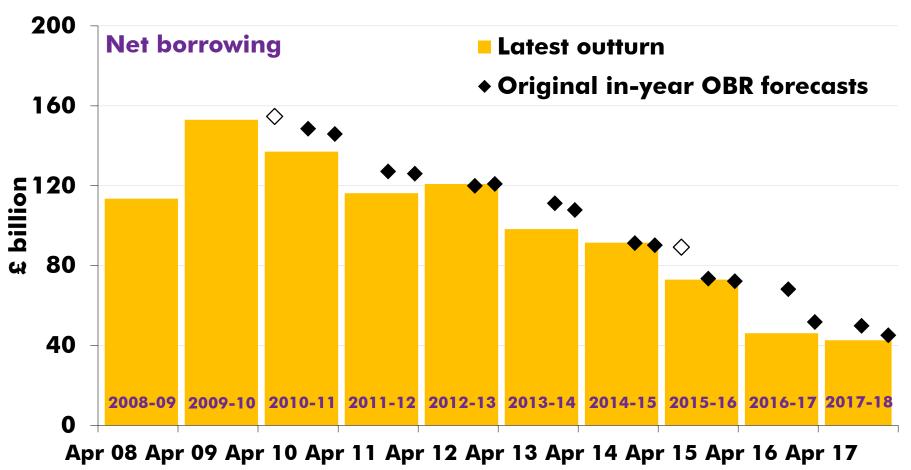
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Data revisions

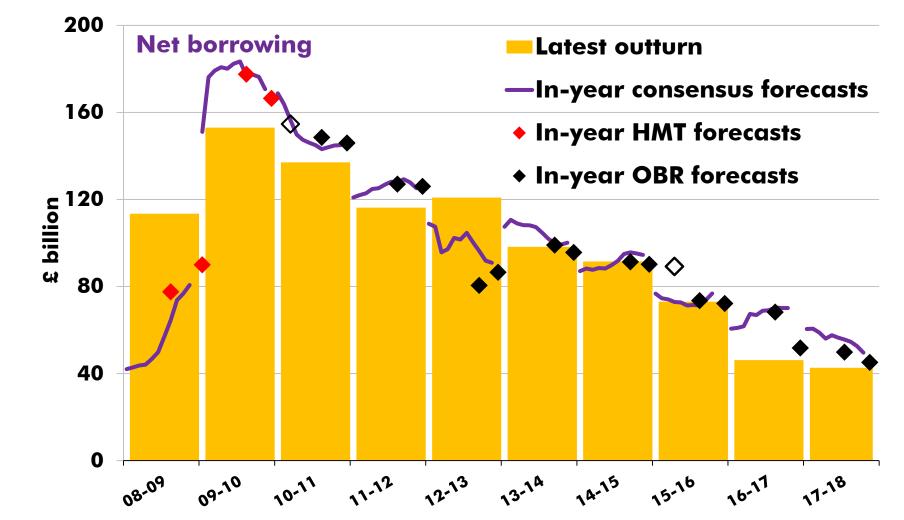


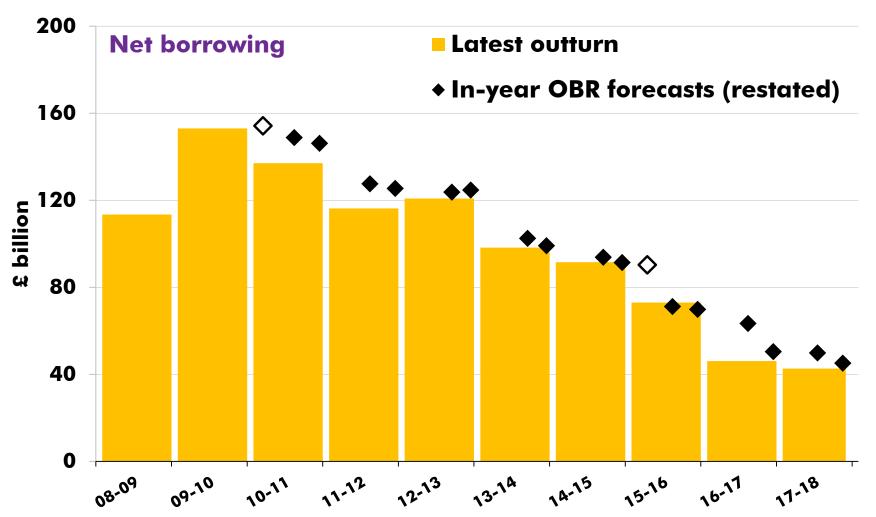
Data revisions

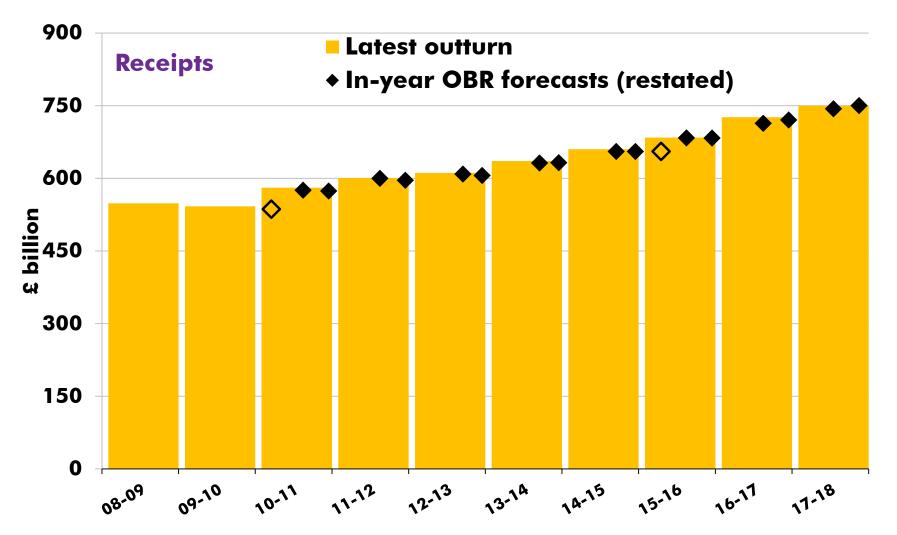




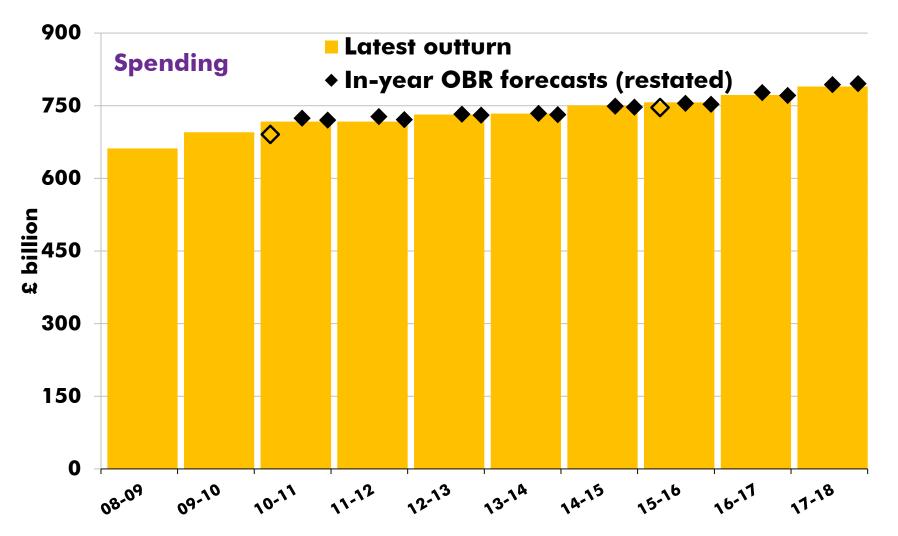
Date of forecast



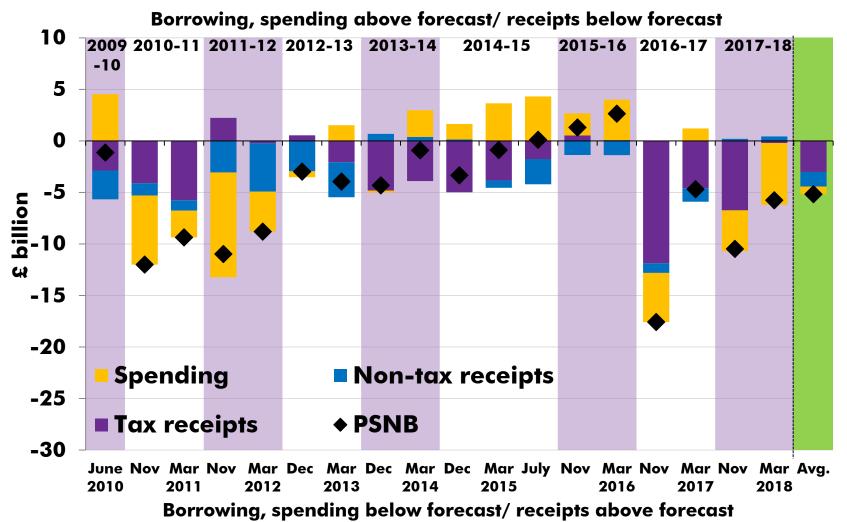




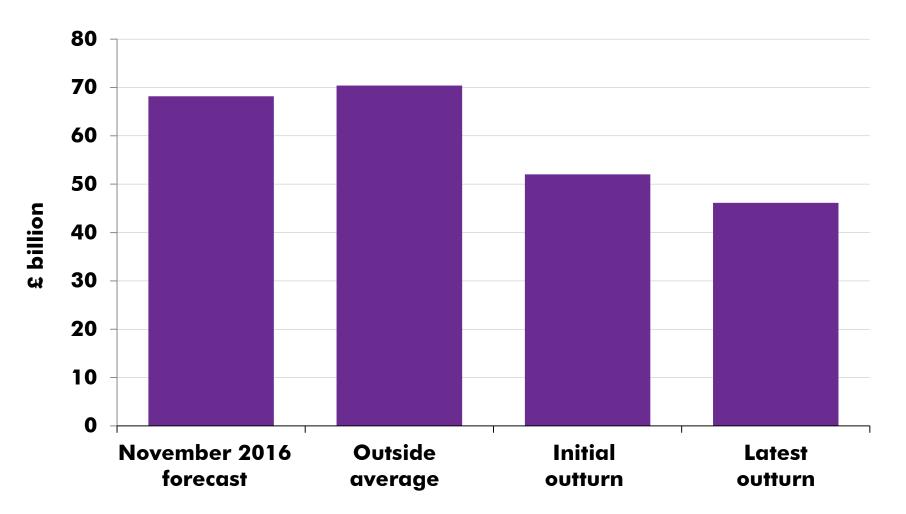
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Forecast v outturn: net borrowing



What happened in 2016-17?



What happened in 2016-17?

- Raw difference forecast vs outturn £22.4 billion
 - Adjusted for methodology changes £17.6 billion, of which
 - Receipts under-estimated by £12.8 billion
 - Spending over-estimated £4.8 billions
 - Fed into one-year ahead forecast for 2017-18
- First post-referendum forecast, but that not the reason
 - Big revisions to in-year data (PSNB down £7bn in 6 months)
 - Unexpectedly strong bonuses boosted IT
 - CT and VAT unusually end-loaded
 - CG departments underspent more than expected
 - Unusual timing of EU expenditure transfers
 - Strong capital gains tax receipts

Conclusions: approach

- Use different arithmetic approaches
- Adjust for known timing and one-off effects
- But be ready for significant revisions

Conclusions: performance

- Our in-year forecasts have over-predicted deficits
- Partly because of methodology and data revisions
- Our forecasts somewhat better than outside average
- Lessons for us
 - Look carefully at bonus payment assumptions
 - Refreshed approach to CT forecast
 - Investigate bias in gross operating surplus data
 - Beware challenge of universal credit