Economic Forecast

Rob Hayward

January 15, 2015

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Outline

- Introduction
- Central bank
- Output gap
- 4 GDP forecasts



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The aim is to forecast interest rate changes. This will require

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An understanding of the central bank

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Draw on what you learnt in EC271 and EC284

It is important to know central bank policy if you want to understand what they will do

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■ How do they see the economy?

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- How do they see the economy?
- What is their main focus/concern?
- Do they have a specific mandate?
- When do they meet? How do they decide policy? What is the nature of the usual policy change?

Output gap

Norwegian GDP

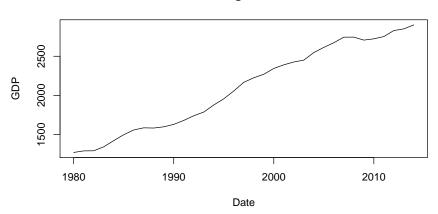


Figure: Norwegian real GDP

There are five methods to find the trend

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There are five methods to find the trend

■ Estimation of a growth rate

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- Estimation of a growth rate
- Linear trend

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- Estimation of a growth rate
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- Quadratic tend
- Hodrick-Prescott filter
- Centered moving average

Hodrick-Prescott Filter

This aims to find a underlying trend by minimising

$$\mathit{Min}_g \left[\sum_{t=1}^T (y_t - g_t) + \lambda \sum_{t=1}^T [(g_t - g_{t-1}) - (g_{t-1} - g_{t-2})]^2 \right]$$

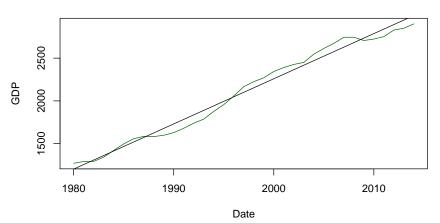
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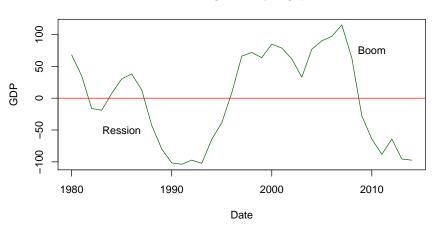
Linear Trend

Norwegian GDP and trend



Output gap

Norwegian Output gap



GDP is made up of

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GDP is made up of

Consumer spending (C)

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- Consumer spending (C)
- Business investment (I)

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- Consumer spending (C)
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How will these evolve? What the forces/