Daniel Neuhoff (2015)
Dynamics of Real GDP Per Capita Growth

Andrija Mihoci

Ladislaus von Bortkiewicz Chair of Statistics
C.A.S.E. – Center for Applied Statistics
and Economics
Humboldt–Universität zu Berlin
lvb.wiwi.hu-berlin.de
case.hu-berlin.de

Objectives

(i) GDP per Capita Dynamics

- Impulse response analysis, persistence
- Country specific study (G-7)

(ii) Time Series Modelling

- ARMA, Reversible Jump Markov Chain Monte Carlo Method
- Modelling results comparison: quarterly real per capita GDP

Andrei A. Markov on BBI:

(i) GDP per Capita Dynamics

- Equality of two posterior distributions
  - Impulse responses, long-run responses (persistence)
  - Kolmogorov-Smirnov test

Findings: Equality rejected at 1%, country-specific variations pronounced (cross-country dependence)

Andrey Nikolaevich Kolmogorov, Vladimir Ivanovich Smirnov on BBI:

(ii) Time Series Modelling

- Quarterly data: 1960-2007
- Sensitivity of impulse-response persistence

Findings: Impulse-response forms, stationarity properties discussed, HP-filter artifacts (implications)

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