Unbiased Estimation of the Half-Life to PPP Convergence in Panel Data

Chi-Young Choi, Nelson Mark & Donggyu Sul

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Three potential sources of bias present complications for estimating the half-life of purchasing power parity deviations from panel data. They are the bias associated with inapproiate aggregation across heterogeneous coefficients, time aggregation of commodity prices, and downward bias in estimation of dynamic lag coefficients. Each of these biases have been addressed individually in the literature. In this paper, we address all three biases in arriving at our estimates. Analyzing an annual panel data set of real exchange rates for 21 OECD countries from 1948 to 2002, our point estimate of the half-life is 5.5 years.

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Acknowledgements and Disclosures ⌄

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Choi, Chi-Young, Nelson C. Mark and Donggyu Sul. "Unbiased Estimation Of The Half-Life To PPP Convergence In Panel Data," Journal of Money, Credit and Banking, 2006, v38(4,Jun), 921-938. citation courtesy of *RePEc*

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Contact Us
1050 Massachusetts Avenue
Cambridge, MA 02138
617-868-3900
info@nber.org
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