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Article Information

Abstract

High interest rate currencies tend to appreciate in the future relative to low interest rate currencies instead of depreciating as uncovered interest parity (UIP) predicts. I construct a model of exchange rate determination in which ambiguity-averse agents face a dynamic filtering problem featuring signals of uncertain precision. Solving a max-min problem, agents act upon a worst-case signal precision and systematically underestimate the hidden state that controls payoffs. Thus, on average, agents next periods perceive positive innovations, which generates an upward re-evaluation of the strategy's profitability and implies ex post departures from UIP. The model also produces predictable expectational errors, negative skewness, and time-series momentum for currency speculation payoffs. (JEL D81, E43, F31)

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Additional Materials

Replication Package

Supplemental Appendix

JEL Classification

D81 Criteria for Decision-Making under Risk and Uncertainty

F31 Foreign Exchange

G15 International Financial Markets

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