Accepted Manuscript

Estimating Stochastic Discount Factor Models with Hidden Regimes: Applications to Commodity Pricing

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PII: \$0377-2217(17)30672-0 DOI: 10.1016/j.ejor.2017.07.045

Reference: EOR 14595

To appear in: European Journal of Operational Research

Received date: 30 November 2015 Revised date: 20 December 2016

Accepted date: 13 July 2017



Please cite this article as: Marta Giampietro, Massimo Guidolin, Manuela Pedio, Estimating Stochastic Discount Factor Models with Hidden Regimes: Applications to Commodity Pricing, *European Journal of Operational Research* (2017), doi: 10.1016/j.ejor.2017.07.045

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Highlights

- We propose novel methodologies to estimate log-linear stochastic discount factors
- Discount factors are generalized to the case in which loadings are regime-switching
- Estimation applies Baum-Welch's expectation-maximization algorithm
- Apply the new methods to the stochastic discount factor that prices commodities
- Commodities may be segmented because priced by commodity-specific factors



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