

Bayesian estimation of ARFIMA models

Haruhisa Nishino * Kazuhiko Kakamu †

22 Jan. 2010

Abstract

The paper proposes estimation methods for long memory parameter d of ARFIMA(0, d ,0) models. While several non Bayesian estimation methods exist, the paper considers the time domain maximum likelihood estimation and the Whittle estimation, then proposes Bayesian estimation methods with MCMC methods.

*Faculty of Law and Economics, Chiba University

†Faculty of Law and Economics, Chiba University