Identification and Testable Implications of the Ramsey-Cass-Koopmans Model

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Abstract

This paper aims to provide a method for calculating the utility function and discount rate of the discrete-time Ramsey-Cass-Koopmans model from the policy and production functions. In contrast to similar works, our method ensures the uniqueness of the utility function up to positive affine transformations. Further, we provide a similar result in a stochastic model.

JEL codes: D11, C61, E13, O41

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