

Empirical Analysis of the Role of Energy in Economic Growth

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Abstract

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Keywords: economic growth, energy, cobb-douglas, CES, LINEX

Caleb, put your LaTeX code here.

1. Cobb-Douglas Without Energy

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2. Cobb-Douglas With Energy

We can force α , β , and γ to be in $[0, 1]$ by a reparameterization:

$$a \in [0, 1], b \in [0, 1], \alpha = \min(a, b), \beta = |b - a|, \gamma = 1 - \max(a, b)$$

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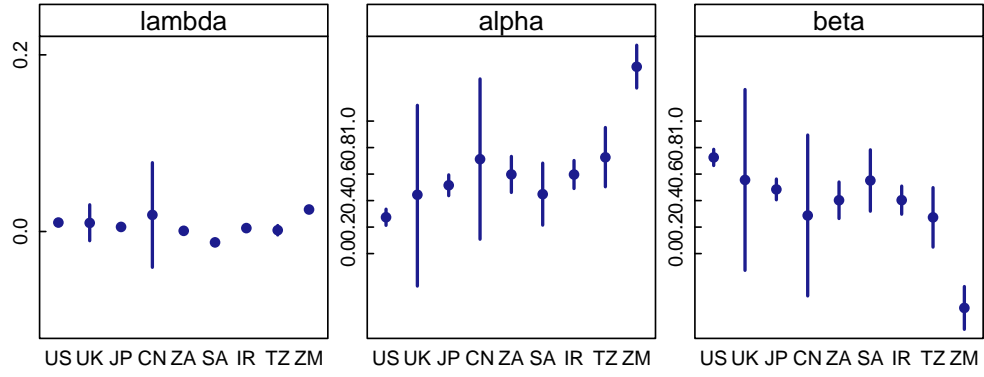


Figure 1: Cobb-Douglas (without energy) model parameters.

2.1. *Cobb-Douglas with Q*

2.2. *Cobb-Douglas With X*

2.3. *Cobb-Douglas With U*

3. CES

3.1. *CES with Q*