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Total factor productivity and factor contribution to growth: A disaggregated approach by industry

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1-TFP and factor contribution to growth (Article)

Brief Description

Most of the works on total factor productivity (TFP) deal with the case of a single aggregate product, namely GDP, for the Moroccan economy, while those that deal with the branches of activity corresponding to the National Accounts Classification (NAC) are rare or do not exist.

Thus, in an attempt to fill in this gap, this article focuses on the calculation of TFP and the contribution of inputs to growth for each of the NAC industries using the growth accounting approach on a Cobb-Douglas production function.

Abstract

Most of the works on total factor productivity (TFP) deal with the case of a single aggregate product, namely GDP, for the Moroccan economy, while those that deal with the branches of activity corresponding to the National Accounts Classification (NAC) are rare or do not exist. Thus, in an attempt to fill in this gap, this article focuses on the calculation of TFP and the contribution of inputs to growth for each of the NAC industries using the growth accounting approach on a Cobb-Douglas production function.