Abstract

In this paper we introduce a procedure for detecting changes in the economic structure of a country. In practise, we analyse two sectors that satisfy most of the Spanish Tourism demand: accommodation and food service activities. The proposed method allow us to updating input-output matrix necessary for quantify the economic impacts of Tourism in an alternative way to the Official Statistics Institutes. Using this technique, the biproportional method with limit information, we are able to update the matrix nearly in real time and we just need the production and final demand vectors (Statistic institutes provide these data without much delay). Thus, this procedure avoids applying more sophisticated techniques which need more information. The technical coefficients estimated for accommodation and food service activities in Spain validate the proposed technique for elaborating input-output models. Therefore, we are able to estimate the economic impact of Tourism with last data and without imposing assumptions as the invariability of the technical coefficients over time.

Keywords
Tourism, Input-output, Technological change, Limit information.