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TITLE: COMBINING REGIONAL AND NATIONAL INFORMATION FOR THE ESTIMATION OF REGIONAL INPUT-OUTPUT TABLES

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ABSTRACT:

Regional input-output tables are usually not constructed from survey data but are estimated. From known information about the row or column margins, the cells of the matrix are estimated using as a priori information either a regional matrix from a past period (updating) or a contemporaneous input-output table from the same time period (regionalization). This paper proposes the use of a composite Cross-Entropy approach that allows for introducing a mixture of both types of a priori information. An empirical application is included, where a regional input-output for Asturias (Spain) is estimated with this method and the result is analyzed and compared with other more traditional estimation techniques.