Disaggregation processes applied to Social Accounting Matrices

Topic: Regional Model Building
Author: Margarita I. BARRERA LOZANO
Co-Authors: Alfredo J. MAINAR CAUSAPÉ, Patricia D. FUENTES SAGUAR

The aim of this study is twofold: (i) To lay the foundations for disaggregation of input-output models to adapt already done databases to current needs and computational boundaries; (ii) To design a disaggregation process for social accounting matrices (SAMs), which are the main forms for representing entire economies performance and different-agents interactions. A new and originally disaggregated SAM for Spain for year 2008 (SAMESP08) is used as a starting point. Further steps developed are: (i) Sectorial division by accounts homogeneity; (ii) Development of subsequent breakdowns using disaggregation processes, as those proposed by Fei (1956), Wolsky (1984), Barrera, Mainar and Vallés (forthcoming) and the proportional method; (iii) Analysis of the accuracy of these disaggregation processes. Results from this analysis offer advantages and disadvantages of each of the analysed methods in terms of: (i) consistency, (ii) accuracy and (iii) possibility of extending a protocol for disaggregation.