Disaggregation of Economic sub-sectors based on Optical Development in the Spanish Economy

Topic: Impact Analysis: Multipliers
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In order to enable the development of Health Sectors in accordance to social needs, a more detailed sectorial analysis must be accomplished. Considering the differences existing among different disciplines in health and therefore, in the importance of certain highly specialized sub-sectors, three criteria have been considered: demand changes of households, technological change and economic interrelation. Ophthalmic Optical manufacturing and optician´s retail trade sub-sectors accomplish the three criteria.
Both of them are included in wider branches of the Spanish Input-Output frame and the following disaggregation is proposed: On the one hand: The division of “other manufacturing” into “manufacture of ophthalmic goods, eyeglasses, sunglasses, lenses ground to prescription, contact lenses and safety goggles” and “manufacture of other goods” and on the other hand “retail trade services” into “activities of Optician´s” and “other activities”, based on NACE Rev.2.
Disaggregation of these two sectors following Wolsky´s Method combined with the use of the data contained in Fuentes & Mainar Social Accounting Matrix (SAM) of Spain for 2008 represent the methodology used. As a result, the construction of the Accounting Multipliers Matrix will be accomplished and used for the assessment of the impact of exogenous-demand changes. The following three changes denote the importance of our research: (1) Aging of population, (2) increasing visual needs of the whole population and (3) the enormous development carried out in the field of Optics and its applications to Ophthalmic Optical goods. Furthermore, the assessment obtained will enable the design of policies and pertinent economic performance by the Authorities.

KEYWORDS: Social Accounting Matrix, Spanish Economy, Optics, Ophthalmic Optical Sector

TOPICS: 1. Development of Input-Output Benchmark Accounts and Statistics; 11. Computable General Equilibrium Modeling and Social Accounting Matrices; 31. Input-Output-based Policy Analysis