An Interval Based Social Accounting Matrix for a Regional Economy

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Abstract The assessment of the major impact of economic events is based primarily on the input-output model. In all of the existing input-output models exact information is used. Yet, in real life, we can never usually find such exact information for problems in particular related to the future. An expansion of the input-output model is the Social Accounting Matrix (SAM) and the SAM builds on Leontief's input-output tables. In this paper we construct a SAM model for a regional economy and initial information is described by interval numbers. For the given region Northern Cyprus, where a scarcity of data exists, interval information based SAM, based on the best available information is suggested.

Keywords: Input-output model, Social Accounting Matrix, interval number, regional economy

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