

Joint Estimation of Supply and Use Tables

Topic: World Input-Output Database I: Construction issues

Author: Umed Temurshoev

Co-Authors: Marcel P. Timmer

We propose a new biproportional method specifically designed for joint projection of Supply and Use tables (SUTs). In contrast to standard input-output techniques, this method does not require the availability of total outputs by product for the projection year(s), a condition which is not often met in practice. The algorithm, called the SUT-RAS method, jointly estimates SUTs that are immediately consistent. It is applicable to different settings of SUTs, such as the frameworks with basic prices and purchasers' prices, and a setting in which Use tables are separated into domestic and imported uses. Our empirical evaluations show that the SUT-RAS method performs quite well compared to widely used short-cut methods.