The GTAP Database as a Large Sparse Multi-Regional Input-Output Table

Topic: MRIO-showcase II: Special MRIO variants
Author: Alexandra Penedo de Sousa Marques
Co-Authors: Joao Rodrigues, Tiago Domingos

The GTAP database is often used in Input-Output Analysis to generate a Multi-Regional Input-Output table (MRIOT) of the world,
usually in dense format. In this paper we show how to generate a sparse
MRIOT from GTAP and compare the computational requirements of
the sparse and dense tables in terms of processing requirements and
calculation of multipliers.