

報告論題 Spatial Aggregation Bias in a Global Input-Output Analysis (joint with Toshihiro Okubo)

要旨

The purpose of this paper is to understand bias stemming from aggregating different regions as one economy in estimating value-added contents using a global input-output table. We show that spatial aggregation works to overestimate or underestimate value-added contents depending upon the degree of asymmetry across regions in final demands, intermediate good flows, and trade with other countries. We construct a Canadian inter-provincial input-output table and merge it with a global input-output table to understand bias stemming from aggregating Canadian provinces as one economy. Results show that spatial aggregation works to overestimate Canadian domestic value-added contents and foreign value-added content.