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On Input-Output Linkage Measures

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Abstract:

We consider six widely used input-output (IO) linkage measures in both traditional and (less used) generalized IO settings. We derive closed-form expressions for the so-called hypothetical extraction linkages, which identify the exact driving forces behind these measures. Next, we propose a net forward linkage indicator as a “counterpart” of the Oosterhaven and Stelder’s (2002) net backward linkage. It is shown that all the linkage measures are closely interrelated. Finally, we make an empirical assessment of similarity of all seven IO linkage measures.

Keywords: Backward linkages, Forward linkages, Net linkages, Factor worth, Generalized linkages

Archives: Impact analysis; Methods and mathematics

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