

Accounting for Differences in ICT-Specialization across China: a New Aspect of Spatial Structural Decomposition

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Author: Xuemei Jiang

Co-Authors: Erik Dietzenbacher, Bart Los

This paper explores the regional disparities of ICT development in China by comparing regional specializations of ICT industry. The spatial comparisons show that regional comparative advantages of ICT industry are quite incomparable with overall economic development. The rich coastal regions only show slight advantage over central regions. The western regions, however, is far behind central and costal regions except few exceptions. Based on a series of regional input-output tables, structural decompositions techniques are adopted to explore the empirical reasons of current disparities in specializations. In the process, a methodological contribution concerning spatial structural decompositions is also achieved by introducing spanning tree, decreasing variations of outcomes derived from different decomposition forms.