

Industrial Structural Changes of Beijing Economy – A Field of Influence Approach

Topic: 814D Region/country-specific Analysis

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As China's capital, Beijing's economic structure has experienced great changes in recent 20 years. Many heavy industrial factories have been moved out of the city. This paper uses the concept of the field of influence and the method of multifactor and multi-order impact analysis (MMIA) to make a quantitative analysis of the structural changes. MMIA is applied here as a substitution of SDA. The analysis was based on 10 IO tables from 1987 to 2010 with 29 sectors. The results show that final demands played a main role in the share changes for more than two-thirds of the sectors in Beijing's economy. The changes of intermediate input coefficients made dominant contributions for four sectors which are the sectors of Mining of Metal Ores, Mining of Nonmetal Ores, Power and Water, and Commercial Business. The paper also made a taxonomy of the 29 sectors according to the main field of influence and sign combinations of influential components.

KEYWORDS: Industrial structural change, field of influence, MMIA, Beijing's economy