

Research on input-output coefficients variability and its influential factors: an empirical analysis based on input-output table of China

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Standard IO model often assume that direct input coefficients keep constant. But from practical standpoint, the questions just like 'Are the coefficients stationary' were proposed usually, especially for those countries in transition period just like China . Based on constant price input-output tables of China in 1992,1997,2002,2005 and regional IO table of China in 2002 and 2007, the present paper researched the variability of input-output coefficients empirically. The paper uses CV to calculate variability of all important coefficients, whose scale are greater than 0.05, at both time series level and cross sectional level. Based on it, this paper compares the difference of the direct input coefficients variability in different sectors and different scale. Furthermore, the paper carried an regression analysis to explain the variability by introducing the HHI of industry, technology level, growth speed of total output, ratio of foreign-invested enterprises, et al as independent variables.