

## **A Study of Chinese Industry Sector Influence Based on SAM Multiplier Model**

Topic: Impact analysis 2

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This paper first constructs SAMs on the basis of IO table of 1997, 2002 and 2007. Then based on the SAM multiplier model of static value type, the paper introduces the concept of sector output multiplier and influence coefficient within a SAM framework. According to the Chinese SAM of 1997, 2002 and 2007, we calculate the influence coefficient of different industry sector and investigate the change during the period. Meanwhile, the paper also does some calculations about the influence power of every sector in national economy based on IO table and tries to explain the difference between the two sets of results under different data basis. We find that relative to the measuring method based on IO table, the evaluation on the sector influence power based on SAM is more veracious and comprehensive.