

Agglomeration and Backwash Effects of Central Plain City Group

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Built on the theories of agglomeration economies and growth poles,this study constructs a simultaneous equation model and uses instrumental variable fixed effects model and cross-sectional equation model to examine the relationship between industrial agglomeration and economic growth of 126 cities and counties in Henan province,and to test growth pole spillovers of Central Plain City Group.The results of statistical analysis show that industrial agglomeration and economic growth were mutually causally related and reinforced,but spatial density of non-agricultural employment caused congestion effects and diseconomies.It is especially worth noting that growth of the central cities in Central Plain City-Group significantly impeded growths of all cities and counties and this adverse effect was persistent from 2000 through 2007.The research finding suggests the need for coordinated regional policy.



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