

Research on the Impact of High-speed Rail Era on Regional Tourism Economic Development

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Abstract: High-speed railway construction is closely related to the level of economic development and urbanization, and promotes each other. High-speed rail has strengthened the radiation capacity of large cities and enhanced the influence of regional economy. The spatial pattern of tourism urban agglomeration is gradually shifting from developed to underdeveloped, from big cities to small and medium-sized cities. The accessibility of fringe areas will be expanded and optimized, and the accessibility gap between inside and outside areas will be narrowed. This change is affecting the tourism industry in urban agglomerations. Under the background of regional transportation network, economic development integration and regional tourism integration driven by high-speed rail, regional tourism economic links have been further strengthened. This paper first introduces the impact of high-speed rail on regional economy, and then focuses on the impact and mechanism of high-speed rail on regional tourism economic development.

1. Introduction

Since the opening of the first high-speed railway in 2003, China's high-speed railway construction has developed rapidly. Up to now, the total mileage of high-speed rail in China has reached 29,000 kilometers, ranking first in the world. At present, more than 700 high-speed railway stations have been built, covering all provinces and more than 200 cities in the country. High-speed rail links 10 major urban agglomerations, basically forming a four-vertical and four-horizontal network structure. The arrival of the "high-speed rail era" not only has a profound impact on people's way of travel, but also has a profound impact on China's regional economic development.

Compared with aviation and expressway, high-speed rail has the advantages of high speed, high departure density, punctuality, comfort and safety, so it quickly becomes the first choice for residents to travel fast. From 128 million passengers in 2008 to 1.5 billion in 2018, the volume of high-speed rail passenger traffic increased by 1.17 times. Especially with the gradual completion of the high-speed railway network, the accessibility between different regions is becoming stronger and stronger, the time and distance are also greatly shortened. Large-scale and rapid population flow has become a reality, which has changed the flow status of funds, technology, information, goods and services between regions, thus bringing different development opportunities and challenges. At the same time, it is shaping the regional economy of the whole country. Development pattern. For this reason, high-speed rail has become an important and active factor affecting the development of regional economy in China. It plays a decisive role in the development of national economy. Figure 1 shows the total number of tourists and the total income of tourism in China from 2018 to 2017.

2. The Impact and Function of High-speed Railway on Regional Economy

The emergence of high-speed rail promotes regional trade, reduces transport costs and transaction costs. At the same time, it promotes competition among enterprises in different regions, eliminates the fittest, redistributes the factors of production resources and improves efficiency. In addition, high-speed rail also facilitates the flow and collision of people's ideas, and promotes technology dissemination and economic growth.

2.1 The Role of China's High-speed Railway in Regional Economic Development

From the point of view of the whole regional economic spatial pattern, high-speed railway can be regarded as a factor that destroys the original pattern. In order to rebalance, the original regional economic spatial pattern will be reconstructed according to the impact of high-speed railway. Essentially, high-speed railway can be regarded as the basis for the development and change of technology, human capital, capital and other factors. When the high-speed railway is constructed and put into use in a certain region, the economic level of the corresponding region will be improved accordingly. From this point of view, high-speed railway will aggravate the degree of regionalization of economic development.

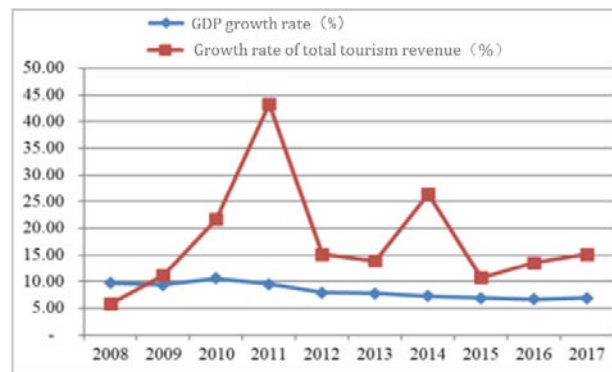


Fig.1 Total Tourist Population and Total Tourism Income in China

2.2 The Impact of China's High-speed Railway on Regional Economic Development

The optimum influence of high-speed railway on the industrial layout of regional cities will have a positive impact on the regional economic development, and the coordinated development and innovation of different industries. The operation of high-speed railway will have a positive impact on the relevant industries in its location. In order to make full use of the passenger flow brought by high-speed railway, traditional industries will strengthen their own transformation and upgrading, and all kinds of high-tech industries will expand their own development scale and speed up their development through investment and other means.

The formation of space-time contraction effect is the direct impact of high-speed railway on regional economic aggregate. With the construction and operation of high-speed railway, there are unblocked transportation channels between different areas along the railway. The increase of access rate and space attraction will induce the formation of space-time contraction effect.

The influence of high-speed railway on the flow of production factors mainly includes: first, information production factors. As far as China's current situation is concerned, the information age has put forward higher requirements for the application and exchange of information elements. The construction and operation of high-speed railway have effectively solved the distance problem, which is the main obstacle to the application and exchange of information. Therefore, in this case, enterprises and enterprises can combine technology, new products and other content to complete high-quality information exchange and communication. The role of information exchange and communication based on high-speed railway promotes the benign development of enterprises to some extent. Second, capital elements. The construction of high-speed railway is based on increasing investment. With the continuous investment of funds, the employment of human capital, material capital consumption for production activities and related consumption along the high-speed railway will increase accordingly. All these changes will have the effect of promoting regional economic growth.

3. Analysis of the relationship between high-speed railway and tourism development

3.1 High-speed Railway Improves the Convenience of Travel

Traffic is an important part of tourism, and it also plays a vital role in the development of tourism.

First of all, from the perspective of traffic time-consuming. Traffic time-consuming will not only affect the choice of travelers, but also affect travelers' travel costs. Traffic time-consuming is affected by many factors, including the chosen mode of transportation, traffic conditions, travel routes, travel dates and so on. Secondly, from the perspective of transportation costs. According to the statistics of relevant departments, in recent years, the total income of tourism transportation accounts for more than 25% of the total income of tourism. This data clearly shows that the proportion of transportation fees in the total cost of tourism is quite high. Compared with other expenditures in tourism, such as food, accommodation and travel, transportation costs sometimes become the highest proportion, especially for long-distance tourists. Therefore, to a certain extent, tourism transportation has greatly promoted the development of tourism and become an indispensable part of tourism revenue. Furthermore, from the perspective of traffic accessibility. In recent years, with the rise and development of tourism, the areas which originally belong to backward areas but have high-quality tourism resources have become more and more convenient with the development of tourism, which not only promotes the local economic development, but also provides more tourists with travel choices. In addition, for travelers, the traffic condition of their destination is also an important factor affecting whether they choose to travel or not. As a basic industry of economic development, transportation industry has become an important condition for tourism development, and has important significance for the development of tourism resources and the improvement of tourism service quality.

3.2 High-speed Railway Improves Travel Quality

The impact of traffic on tourists. Traffic quality will affect people's behavior to a great extent. Usually, tourists plan their destination, route and mode in advance before going out. When planning, we often consider many factors, such as transportation cost, transportation convenience, time-consuming, comfort, etc. Especially for distant destinations, the comfort in the process of traveling will also affect the later traveling experience of tourists. Therefore, to a certain extent, the quality of travel traffic can even determine whether tourists ultimately choose to travel to the destination. In addition, with the acceleration of urbanization, more and more people choose to travel in primitive, beautiful environment and low level of development areas. There are many uncontrollable factors in the traffic conditions of these areas. Therefore, the convenience of travel will affect the final decision-making and tourism satisfaction of tourists to a large extent.

4. The Impact of High-speed Railway on Regional Tourism Economy

4.1 The Impact of High Speed Railway on the Development of Regional Resources

High-speed railways have changed regional transportation, thus increasing the demand for regional economic investment and increasing the value of land in the region. At the same time, the opening of high-speed railway has formed a new regional economic growth point by combining regional climate resources, traditional farming and reclamation technology and modern technology. To enhance the tourism economic industry in a certain area, it is necessary to integrate tourism resources effectively and form a unique tourism project in this area, so that the development of tourism resources in the radiation area will produce enormous economic benefits.

4.2 Impact of High-speed Railway on Regional Tourism Economic Development

Because the high-speed railway covers a wide range of industries, the impact of high-speed railway on regional tourism economic development is mainly due to the improvement of traffic conditions, which makes the region more competitive and economic benefits, but sometimes it also increases risks. The main beneficiaries of high-speed railway to regional economic development are mainly the industries with high degree of extroversion and openness. The production and operation activities of these industries are closely related to the external market. The low proportion of transportation cost in total cost and the industries with high timeliness of transportation are mainly concentrated in high-tech industry, processing manufacturing industry and tertiary industry.

Therefore, the impact of high-speed railway on regional tourism economic development is mainly reflected in the development of processing manufacturing industry and tertiary industry.

4.3 The Direct Impact of High-speed Railway on Regional Tourism Economic Growth

The direct impact of high-speed railway on the economic growth of radiation-affected areas mainly has two aspects: First, when building high-speed railway, the demand for some raw materials, as well as some other mechanical equipment and labor, etc. Secondly, the users of high-speed railway can continuously benefit from the operation.

4.4 Transfer Effect of High Speed Railway on Regional Industry

The construction of high-speed railway can lead to the adjustment of industrial structure in the region, which is influenced by the input-output relationship between industries. Although the affected objects are not directly related to the high-speed railway, new requirements for the development of other industries can be put forward around the high-speed railway. If the development of the tertiary industry is affected by the construction of high-speed railway, the development of the tertiary industry is relatively prosperous in the areas where the high-speed railway passes through and is established, and tourism in some areas has become the pillar industry in this area because of the continuous development. Moreover, the continuous development of the tertiary industry and some information technology industries will also transmit and spread to the tourist areas because of the continuous development and operation of Railway Tourism Special lines.

4.5 Potential Impact of High-speed Railway on Regional Tourism Economy

In the process of regional tourism development, the industrial development and economic development of this region are higher than those of the surrounding areas. The construction and operation of high-speed railways have continuously made it possible to use special railways as various information exchanges, the expansion of market influence radius, the development of new markets, especially the population quality and ideology of tourist areas. These will also have a positive and potential impact on the formation of high-speed railway industrial belts and the development of regional tourism economy.

5. Measures of High-speed Railway to Promote Regional Tourism Economic Development

5.1 Strengthen regional cooperation and promote the coordinated development of regional tourism

The continuous development of high-speed railway enhances regional accessibility, which is conducive to the continuous development and progress of tourism between regions. When facing the long-distance tourism market, the competitiveness of regional tourism will be improved because of the improvement of high-speed railway lines. This requires regional tourism cities to integrate resources and optimize products. At this time, cooperation is greater than competition. According to the development of regional transportation, regional cooperation can be strengthened and regional tourism resources can be shared. For example, the construction of high-speed railway in Fujian Province relies mainly on the special high-speed railway line between Wenzhou and Fuzhou, Fuzhou and Xiamen, and between Xiamen and Shenzhen. The third special high-speed railway line will be built between Chengdu and Chongqing, which are two megacities in the west. There are many famous tourist attractions both at home and abroad. We should complement each other and share them so as to continuously enhance the growth point of regional tourism economy in the process of development.

5.2 Strengthen infrastructure construction and improve reception capacity of tourist areas

In the process of development, the high-speed railway has brought a large number of tourists to the tourist areas, which makes the number of tourists in the tourist areas continue to grow, and the number of tourists in some areas is constantly the highest in history. This has brought tremendous

pressure to the infrastructure and other supplies of tourist areas. In order to continuously promote the development of regional tourism economy, it is necessary to build and improve infrastructure, optimize and enhance the reception service capacity of tourism region, increase the supply of tourism, strengthen the service function of tourism region and improve the reception capacity of tourism region.

5.3 Create excellent tourism products and prolong the stay time of tourists

The construction of high-speed railway is conducive to the development and development of some tourism resources along the line, and then through some key investment projects to radiate horizontally and horizontally, to continuously establish the point-axis development of tourism areas. In the process of developing tourist areas, we should avoid blind comparison and imitation with other regions or cities. We should make use of the characteristics of tourist areas and the regions passed by high-speed railways, constantly excavate and develop the special tourist resources unique to tourist areas, and create our own tourist products. Only in this way can we prolong the time of tourists staying in tourist areas and keep on developing. To improve the competitiveness and development potential of tourism regions, make tourism economy become an important economic pillar of local governments and people.

6. Conclusion

The development and construction of high-speed rail has an impact on the development of regional tourism economy, and has promoted the continuous development of regional tourism economy. Some measures have been taken to promote the regional tourism economy by the special railway. This paper studies the impact of the main high-speed railway on the regional tourism economic development, and puts forward some measures to promote the continuous development of regional tourism economy.

References

- [1] HUANG Ai-lian. Effects of High Speed Railway on Regional Tourism Development: Case of High Speed Railway between Wuhan and Guangzhou [J]. East China Economic Management, 2011, 25(10):47-49.
- [2] LIAO Si-shun YAN Jing. Research on Yellow River Golden Triangle Regional Tourism Cooperation Under the Background of the Silk Road Economic Belt [J]. Economic Tribune, 2018, (12): 54-57.
- [3] LAI Feng-bo, LIU Chun-mei, RONG Chao-he. The Impact of High-speed Railway on Regional Economic Development and Empirical Test [J]. Dongyue Tribune, 2016, 06:120-127.
- [4] ZHAO Yun, LI Xue-mei, WEI Gong-ding. Study on Influence of High-speed Railway on Regional Economic System [J]. Railway Transport and Economy, 2015, 37(3):7-13.