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Do we really understand the development of China's new energy industry?

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Abstract: Countries all over the world have realized that the key to resolving the dilemma between accelerated energy consumption and reduction in carbon dioxide emission is to actively develop new energy industry. Many scholars have conducted in-depth investigation into the main driving forces of the new energy industry. However, they often adhere to an assumption that the effect of the driving forces on new energy industry is constant across areas, ignoring the spatial heterogeneity in economic phenomena. Geographically weighted regression (GWR) model and the use of local sample data to implement parameter estimation can make up for the inadequacies of existing research. Therefore, this paper uses the GWR model to carefully investigate the new energy industry. The results show that the impact of economic growth on the new energy industry in the eastern region is higher than in the central and western regions owing to the differences in economic structure and

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