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Corrigendum: The impact of China's digital economy industry development and its structural indicators on carbon emission intensity

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KEYWORDS

digital economy, digital economy industry, carbon intensity, industrial organization
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A Corrigendum on

The impact of China's digital economy industry development and its structural indicators on carbon emission intensity

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In the published article, there were translation errors in the Introduction and unclear explanation in the Method sections of the abstract.

A correction has been made to **Introduction and Method**, page 01. This sentence previously stated:

“Introduction: The development of the digital economy has a profound impact on industrial economics. The article starts from the perspective of industrial organization theory. The thesis aims to analyze the industrial development of the digital economy and its three structural variables: digital manufacturing industry, digital service industry, and the development of industrial digitization on carbon emission intensity.

Method: Based on the data of Input-output Tables with extended tables of 30 provinces, this paper analyzes the industrial development of digital economy and its three structural variables: digital manufacturing industry, digital service industry, and the development of industrial digitization on carbon emission intensity.”

The corrected sentence appears below:

“Introduction: The development of the digital economy has a profound impact on industrial economics. The paper conducted an analysis of how China's digital economy and its structural indicators impact carbon emission intensity. The structural indicators comprise three dimensions: digital manufacturing industries, digital service industries, and industrial digitalization.

Method: This study drew on industrial organization theory and established economic models for empirical test. The paper adopted the measurement framework from the U.S. Bureau of Economic Analysis (BEA) to assess digital

economy development through the economic value-added of digital industries. The analysis utilized Input-Output Tables (including extended tables) from 30 Chinese provinces. For empirical modeling, fixed-effects models and Spatial Durbin Models (SDM) were systematically employed.”

The authors apologize for this error and state that this does not change the scientific conclusions of the article in any way. The original article has been updated.

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