

Review of: "Foundations of Science in Invasive Technologies"

Jiaxuan Zhao¹

¹ Xidian University

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The article uses a straightforward approach to arrive at an intriguing perspective: it assesses the development speed of new technologies through the lens of patent keywords. It defines invasive technologies as those in which the growth rate of technology i in space S exceeds twice the growth rate of any alternative technology j in the same space, where $j = 1, \dots, m$. Empirical evidence supports the assertion that the growth rate of transformer technology is more than double that of traditional Convolutional Neural Networks (CNNs). The methodology involves identifying invasive technologies through their indicators and suggests that technological advancements can lead to significant shifts through policy support for these technologies.

While the experimental design is commendable for its simplicity, the author could enhance the study by examining historical paths of technological innovation to see if they validate the methodology proposed in the paper. Additionally, it would be prudent to conduct robustness checks on the functional residuals u_t to investigate potential correlations with the tested elements. The author is encouraged to consider these aspects to strengthen the paper's findings and implications.

Overall, this article is fascinating and contributes meaningfully to our understanding of technological change and innovation dynamics. I look forward to seeing how this research evolves and influences policy and strategic decisions in technology management.