

Peer Review

Review of: "Genomic Testing of Clark's Theory of the British Industrial Revolution: A Note on Statistical Accuracy and Power"

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This short note provides a well-structured and innovative application of time-series methods to test Clark's theory using paleogenomic data. The author lays out the statistical framework and Monte Carlo simulations with clarity, making a persuasive case that the available data and current technology can indeed evaluate the hypothesis with sufficient power at larger sample sizes.

At the same time, the note could benefit from a slightly more cautious tone given its concise nature. In particular, while the choice of $b = 1/10$ serves as a conservative calibration, it would strengthen the analysis to better justify this parameter—ideally by relating it to the predictive power of existing polygenic scores. Additionally, a brief discussion addressing the distinction between indirect and direct genetic effects would help to contextualize the findings and acknowledge the complexity inherent in interpreting polygenic signals in historical contexts.

Declarations

Potential competing interests: No potential competing interests to declare.