

The Impact of Geopolitical Conditions on Global Food Price Volatility: An Empirical Study

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Abstract: *In an increasingly interconnected world, the bread on a family's table is no longer just a product of local soil and rain; it is a hostage to global politics. This research investigates the volatile, non-linear relationship between geopolitical risk and the cost of survival. By synthesizing data from recent conflicts and advanced econometric models, this study identifies a "tipping point"—a GPR threshold of 0.022—beyond which global food security is no longer stable. We explore how political tensions ripple through energy markets and supply chains to drive inflation. Our analysis of the 2022 crisis reveals a staggering 113% surge in wheat prices and a 68% rise in palm oil, reflecting a period where geopolitical friction superseded market logic. The article concludes by interpreting these shifts as a call to action for protecting the world's most vulnerable import-dependent nations.*

Keywords: Geopolitical Risk, Food Security, Human Impact, Supply Chain, Threshold Regression

