Investigating the impact of climate change on agricultural productivity in India.

Abstract :

Amidst the unpredictable fluctuations in climate patterns, the impact of climate change on agricultural productivity in India has become a pressing concern. This study aims to analyze the influence of climate change on agricultural outcomes. Leveraging the statistical capabilities of R programming language, and employing time series analysis techniques and models like "spline regression," "auto-regressive," and "GARCH," we aim to uncover insights into the resilience of the agricultural sector amidst changing environmental conditions. The findings will inform strategies for sustainable farming practices and contribute to discussions on climate change adaptation in agriculture.