

Economic Safety of Digital Platforms. The Role of Algorithmic Sovereignty

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key words

B2B platforms, economic security, explainable artificial intelligence, digital transformation

This article presents a comprehensive study of the role of algorithmic sovereignty in B2B digital platforms as a critical component of economic security systems. The research examines the fundamental changes brought by digital transformation, where B2B platforms have become systemically important infrastructure accumulating vast amounts of data and managing complex algorithms that optimize supply chains, financial flows, and inter-enterprise interactions.

The study explores the scientific discourse surrounding digital and algorithmic sovereignty, analyzing perspectives ranging from techno-globalism to digital decolonialism. The author investigate key threats to economic security arising from dependence on foreign-controlled algorithmic systems, including economic espionage, market manipulation, critical infrastructure vulnerabilities, and technological dependence.

Special attention is given to the black box problem of AI algorithms and the need for explainable artificial intelligence, examining methods such as LIME and SHAP for improving algorithmic transparency. The research concludes that achieving algorithmic sovereignty requires a multifaceted strategy emphasizing transparency, accountability, security, fairness, and development of national competencies rather than protectionism or isolationism.

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