Empirical Economics Letters, 25 (10): (October 2026), pp. 39-55 ISSN 1681 8997
https://doi.org/10.5281/zenodo.23284127

Determinants of India's Trade with BRICS: Evidence from a Panel Gravity Model

Meenakshi[*] and Qamar Alam[**]
Department of Economics, Banasthali Vidyapith
Rajasthan, India

Abstract: This study examines the determinants of India's trade with BRICS economies during 2001-2024 using a panel gravity model. An augmented specification incorporates GDP, population, distance, common language, and contiguity. Separate models are estimated for exports, imports, and total trade. The Hausman test supports the Fixed Effects model for imports and total trade, and the Random Effects model for exports. The results show that economic size significantly promotes trade, while geographical distance reduces trade flows. Common language has a positive but smaller effect. The findings suggest that India's trade with BRICS is driven by market size but constrained by distance. Strengthening logistics, connectivity, and economic cooperation can enhance trade integration.

Keywords: India-BRICS Trade, Gravity Model, Trade Determinants, Panel Data, South-South Trade

JEL Classification Number: F14, F15, C23, C51

[*] Email: meenakshipanwar552@gmail.com; [**]Email: alamqamar58@gmail.com

The authors acknowledge the use of secondary data sources such as the World Bank and International Trade Centre.