

Harnessing Twitter and GPT for a Novel Political Uncertainty Index for Peru: Implications for USD/PEN Exchange Rate Fluctuations

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December 2023

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Abstract

This study examines the impact of political uncertainty on key macroeconomic variables, including the USD to PEN exchange rate, through a specialized index built from social media analysis. Tweets from prominent Peruvian figures (2018-2023) are analyzed and labeled by GPT-3.5 Turbo, determining their stance on Peru's political and economic situation. This process contributes to the creation of a political uncertainty time series. This series, indicative of Peru's economic climate, is integrated with a (chosen macroeconomic forecasting method) to enhance the prediction of macroeconomic trends, with a focus on currency exchange dynamics.

Keywords: Political Uncertainty, Macroeconomic Fluctuations, Exchange Rate, Peruvian Economy, Twitter, GPT-3.5 Turbo.

JEL Classification: C33, C55, E32, F41, H11.

The authors express their sincere gratitude to the Laboratory of Artificial Intelligence and Computational Methods in Social Sciences (QLab) at PUCP and its director, Pavel Coronado, for their academic support. Special thanks are extended to Professor José Gallardo Kú from the Department of Economics for his invaluable assistance in conceptualizing this paper, and to César Salcedo for several insightful ideas and comments. The authors also wish to acknowledge Peter Paz (Banco de España) and Angelo Cozzubo (Maryland) for their different, suggestions, conversations and recommendations.