Geo-Visualization of Hotspot of Citizen Dissatisfaction on Social Services Using Media Print: Case Study of Fuel and Cash Scarcity in Nigeria.

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Introduction

The recent expression of public dissatisfaction in Nigeria about the scarcity of cash and petrol has highlighted the crucial role that these resources play in a modern economy, and the scarcity of these resources can have a ripple effect on various aspects of society, including transportation, commerce, and daily living expenses. To facilitate efficient resource allocation during this crisis and better understand the effects on the citizens, we developed a data-driven solution that classifies media reports using NLP techniques, geocodes the locations present in the media report and uncovers the spatiotemporal patterns in fuel and cash scarcity over the years.

Materials and Methods

Data Collection

Text Classification

Visualization

GeoParsing

Toponym Recognition

Exploratory Data Analysis

Results and Discussions

References

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