Leila Dilemma:

Relationship of Misinformation Tweets about De Lima and the Fatalities of the Drug War in the Philippines

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A time series analysis on the relationship of false accusation tweets on Leila De Lima's involvement in illegal drugs and the PH drug war fatalities

Introduction

In the case of Leila De Lima, a prominent political figure, numerous tweets containing false accusations regarding her involvement in illegal drugs (VERA Files, 2022) have been circulating online since 2016. Understanding the factors contributing to the spread of misinformation is crucial in combating this phenomenon and ensuring the dissemination of accurate information.

Objective

Investigate the event that influences the increase in the dissemination of misinformation tweets about De Lima.

Hypothesis:
The PH drug war fatalities is significantly associated with the frequency of misinformation tweets regarding the accusation of illegal drugs to Leila De Lima.

Methodology

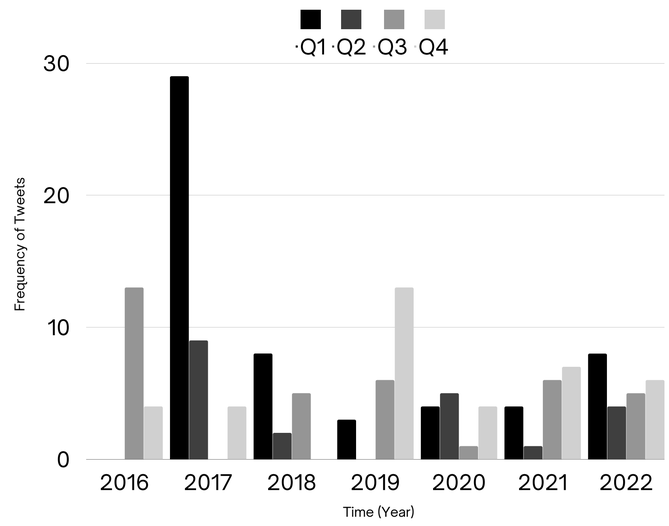
keywords: de lima drug lord, de lima drug protector, de lima drugs

Problem Statement → **Data Collection**
Scraping - 150 Tweets
ACLED Data
→ **Data Exploration**
Preprocessing
Vizualization
→ **Data Analysis**
Regression Analysis
Event Detection Model
→ **Results**

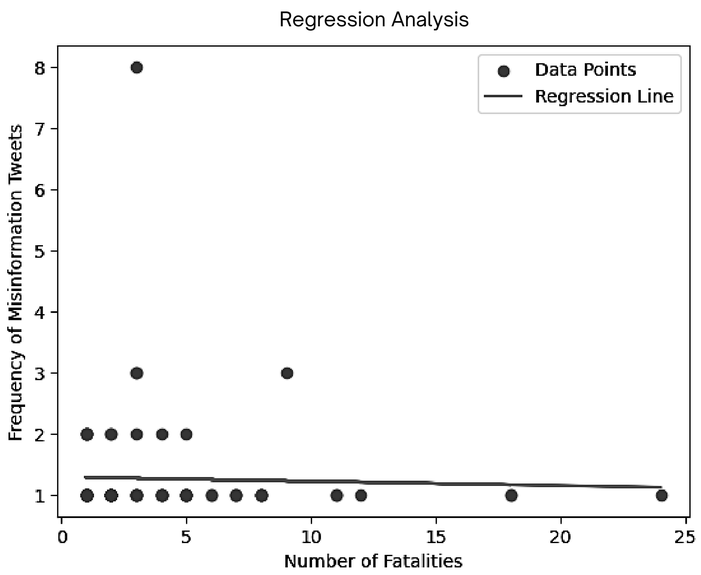
Results

- 2017 Q1 was the highest frequency of tweets.
- The regression analysis shows that the number of fatalities **does not significantly affect** the frequency of misinformation tweets.
- The event detection models show the frequency peak quarters of misinformation tweets. Historical data can be correlated to these dates:
  - **2017 Q1**, De Lima was arrested.
  - **2018 Q2**, Supreme Court denied De Lima's petition
  - **2019 Q4,** Duterte barred US senators supporting De Lima
  - **2022 Q1**, Election campaign

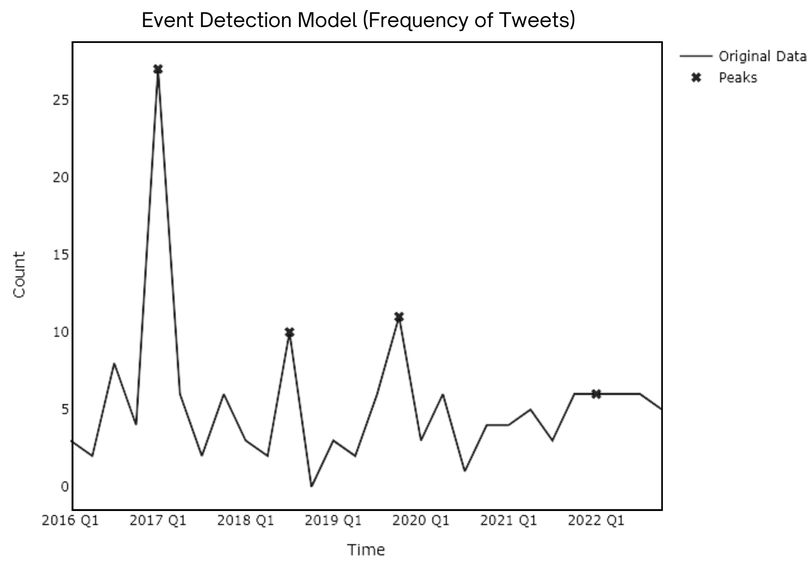
Year and Frequency of Misinformation Tweets



Regression Analysis on the Number of Fatalities and the Frequency of Misinformation Tweets



Event Detection Model for the Frequency of Misinformation Tweets regarding De Lima



Conclusion

The study suggests that the frequency of misinformation tweets regarding De Lima's illegal drug involvement is not influenced by the number of fatalities during the PH drug war. Furthermore, our findings indicate that factors beyond the number of fatalities may contribute to the sudden increase in the frequency of spreading misinformation, highlighting the need for further investigation into these events.

Related Literature

ACLED. (2023, May 24). ACLED | Bringing Clarity to Crisis. https://acleddata.com/
VERA Files. (2022). VERA FILES FACT CHECK: De Lima NOT sentenced to prison for drug charges. VERA Files. https://verafiles.org/articles/vera-files-fact-check-de-lima-not-sentenced-to-prison-for-drug-charges

DILEMMA