

In light of the current geopolitical landscape, financial markets have experienced significant volatility. As a financial analyst and Python developer, you've been tasked with creating a comprehensive analysis tool to examine the current impact on specific stocks and market sectors.

Develop a Python-based project that analyzes how the ongoing geopolitical affairs are affecting the stock market. Your project should incorporate the following elements:

1. Data collection from reliable financial sources for a selection of stocks you deem relevant to the current situation.
2. Analysis of price trends before and after the conflict's onset, using appropriate time series techniques.
3. Integration of news sentiment analysis to explore correlations between media coverage and stock performance.
4. Visualization of findings using libraries such as matplotlib and seaborn to effectively communicate insights.
5. Comparison of performance across different market sectors affected by the conflict.

In your response, outline your approach to this project, including:

- The specific stocks or sectors you would focus on and why
- Your methodology for collecting and analyzing both quantitative (price data) and qualitative (news sentiment) information
- Key visualizations you would create to illustrate your findings
- Any additional analyses or features you would incorporate to enhance the project's value

Consider potential challenges in data collection, analysis limitations, and how you might address these issues. Discuss how your tool could be used by investors or analysts to make informed decisions in the current market environment.

Your project should demonstrate proficiency in Python programming, data analysis with pandas, data visualization, and financial market understanding. Emphasize how your approach would provide actionable insights the current geopolitical impact has on financial markets