

Chosen Theme: **Economic Development and Financial Markets**

1. How do comments by people on social media and online forums impact stock market fluctuations in developing countries?

We will examine here how online opinions from social media or financial forums affect stock market changes within developing countries. We want to see how discussions relating to companies, products, or industries affect the financial decisions of investors.

After looking at these online talks, we want to see how much power these shared opinions have on stock prices. Of course, regular people don't move the market like Elon Musk, whose tweets can make Dogecoin's value go to the moon! :)

Lastly, we will learn how online sentiments, from influential or ordinary users, impact financial markets. To simplify the study, we will focus on specific platforms such as Twitter and niche financial forums.

2. How do factors like average income, inflation rates, and savings behavior of a developing country affect a family's ability to buy a mid-priced Yamaha violin, and what does that say about the financial accessibility of the product in emerging markets?

We hereby would like to find out the influence of average income rates in developing countries, inflation rates, and saving habits of people on a family's ability to buy a mid-priced Yamaha violin. This section now looks at income, inflation, and saving patterns, finally pointing out how long the average household would take to save for the violin.

We believe that, with money troubles, upon examination of the data, such shall bring forth the true challenges that families face in the developing countries. In countries such as Brazil, India, or Turkey—each grappling with a different problem related to money and differing opportunities for economic growth—it shall be observed.

3. How can blockchain financial services help people and small businesses in developing countries get loans?

It's hard for people and small businesses to get loans from regular banks in many developing countries. There is this new technology called blockchain that helps create online platforms where people can borrow money without a bank. This research explores how such blockchain-based lending platforms ease access to loan applications and foster growth among the unbanked population and their small businesses.

Dataset Selections:

- The World Bank: <https://data.worldbank.org/>
- The OECD (Organization for Economic Co-operation and Development): <https://www.oecd.org/en/data.html>
- Numbeo: <https://www.numbeo.com/cost-of-living/>
- Twitter API: <https://developer.x.com/en/docs/x-api>
- Yahoo Finance: <https://finance.yahoo.com/>
- Alpha Vantage: <https://www.alphavantage.co/>
- CoinMarketCap: <https://coinmarketcap.com/>
- CoinGecko: <https://www.coingecko.com/>
- Global Findex: <https://www.worldbank.org/en/publication/globalfindex>
- IFC Data: <https://www.ifc.org/en/home>
- Reddit WallStreetBets: <https://www.kaggle.com/datasets/gpreda/reddit-wallstreetsbets-posts>

Link for GitHub page:

<https://caglasiginak.github.io/Economic-Development-and-Financial-Markets/>

Team Members

Aynur Çağla Sığınak (116200066)

Yiğit Can Kınalı (122203103)

Saim Ozan Gökefe (118203064)