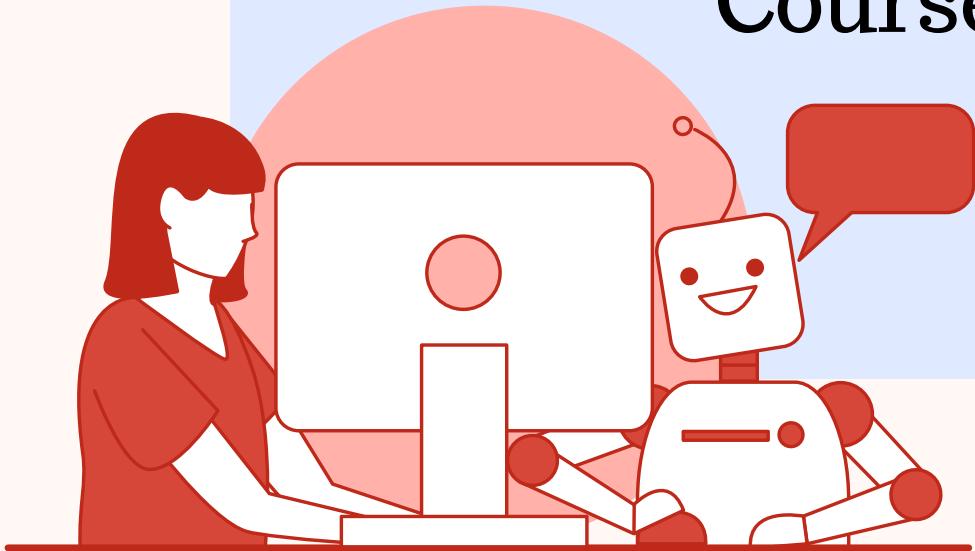


AWARE CITIZEN

*LLM-Based Political
Economy Analyst*

by Atena Jafari Parsa

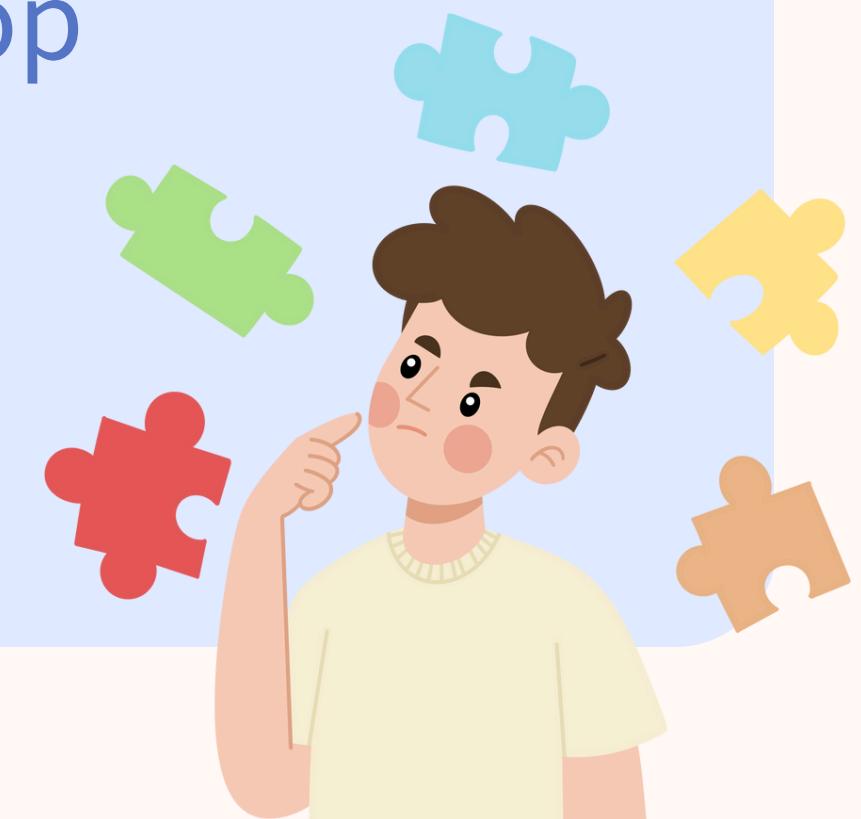
Course: Generative AI for Economic Analysis & Research





Why did I choose this topic?

- Majority of people do not have sufficient economical and political information when making important decisions such as voting.
- To conduct a smart, specific and faster political research for a certain country's top political parties from only one platform.
- To assess LLMs' analyzing capability



How does Aware Citizen work?

- Open AI API, Local Python Script, Hosted on Github, Deployed on Streamlit
- Choose a country
- Scraps the internet to get a list of the country's top 5 political parties
- Open AI's GPT-4-Turbo model analyzes the 5 parties and checks their reliability and historical data.
- The LLM predicts an average life satisfaction score from 0-20



⚠️ Attention

The analysis generated is LLM-Based and may be incorrect. All LLMs are prone to hallucinations and mistakes!



What are the project objectives?

- After the user chooses his/her country, the model scrapes the political and economic data from sources with citations to find the top 5 strongest political parties and their promises.
- Historical data is used to predict the reliability of that political party and whether its promises match its actions and the living conditions (e.g., average salary projections, life satisfaction index, cost of living, etc.) during its reign.
- Then the model predicts the average score of the satisfaction of people from 0 (extremely bad) to 20 (extremely good) with detailed explanations and citations.
- Lastly, all the 5 parties predicted satisfaction rates are compared in a bar chart.

Example: Italy



Aware Citizen: Political Economy Analysis

Choose your country to analyze political party promises and predicted impacts on daily life.

This system uses AI to evaluate political parties based on their promises and historical performance.

Disclaimer: This system is LLM-Based. Please note that the results may be incorrect due to the LLM's hallucinations! Thank you for your understanding! 🙏

! Attention: Please enter the full name of the country with no space!

Enter Country Name:

Italy

Enter Country Name:

Italy

Italy Flag

Analyze

Found 5 political parties.

[

- 0 : "Alternativa (Italian political party)"
- 1 : "CARC Party"
- 2 : "Communist Alternative Party"
- 3 : "Communist Party (Italy)"
- 4 : "Communist Refoundation Party"

]

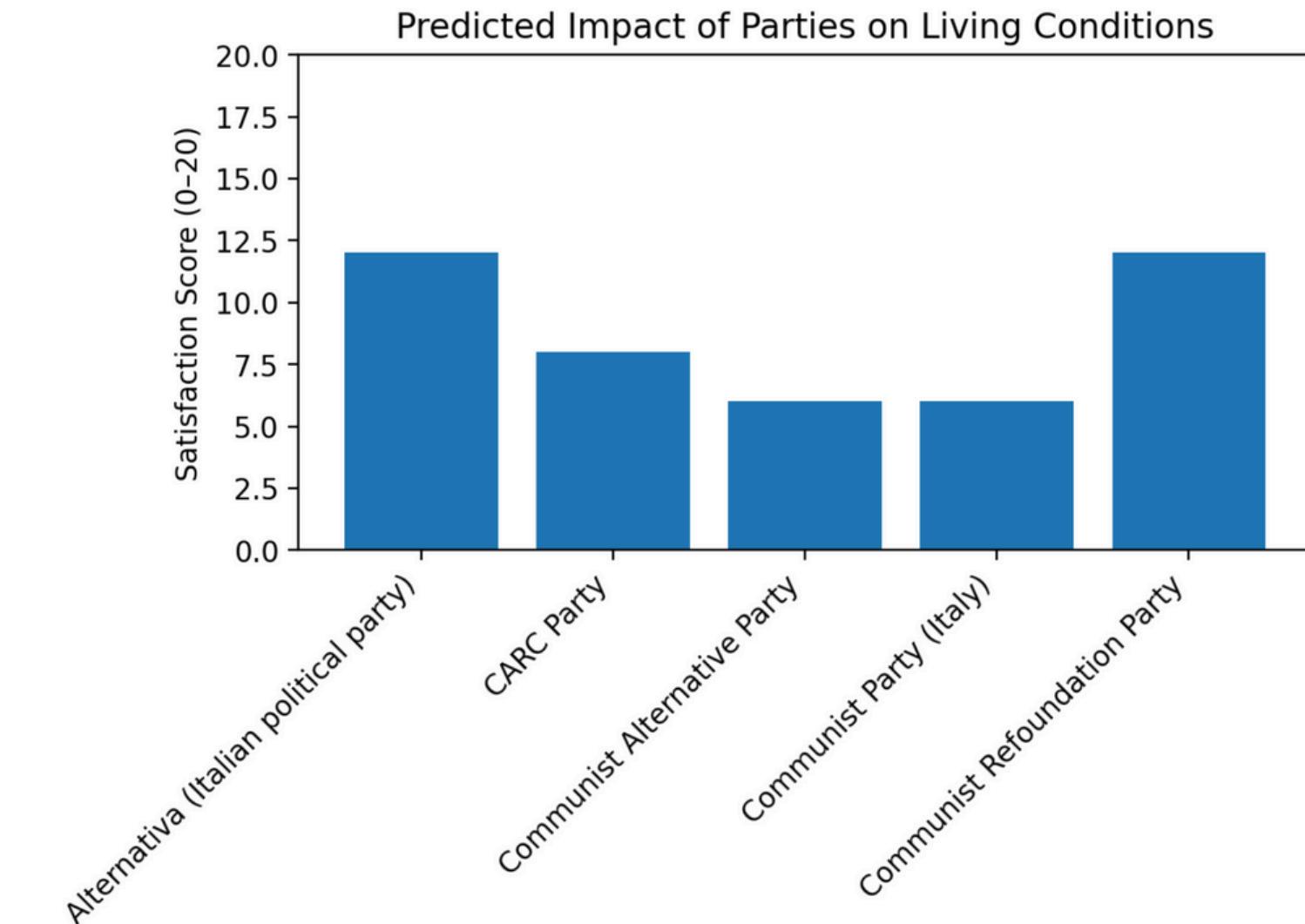
Evaluating each party using AI...

• Results

Satisfaction Score Predicted Based on :

- Current Campaign Promises
- Historical Reliability
- Projected Living Conditions Impact:
 - a. Salary
 - b. Cost of Living
 - c. Happiness Index

 Satisfaction Score Comparison



Conclusion

APIs enable us to use LLMs for various kinds of projects. LLMs assist us to do smart research. However, they may make mistakes, so we should never give up critical thinking.

