

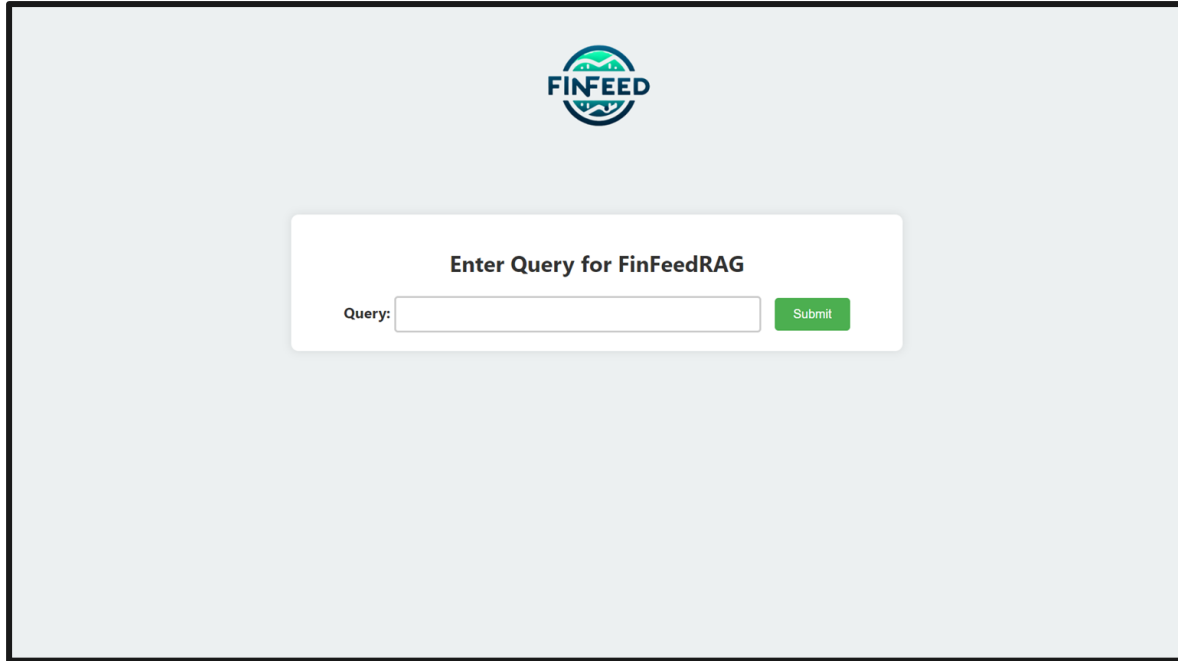
# FinFeed RAG: An AI Financial Chatbot

**Group members:** Aryama Singh, Diliya Yalikun, Korel Gudem, Nazanin Komeilizadeh, Roberto Nunez

**GitHub link:** [FinFeed RAG ChatBot](#)

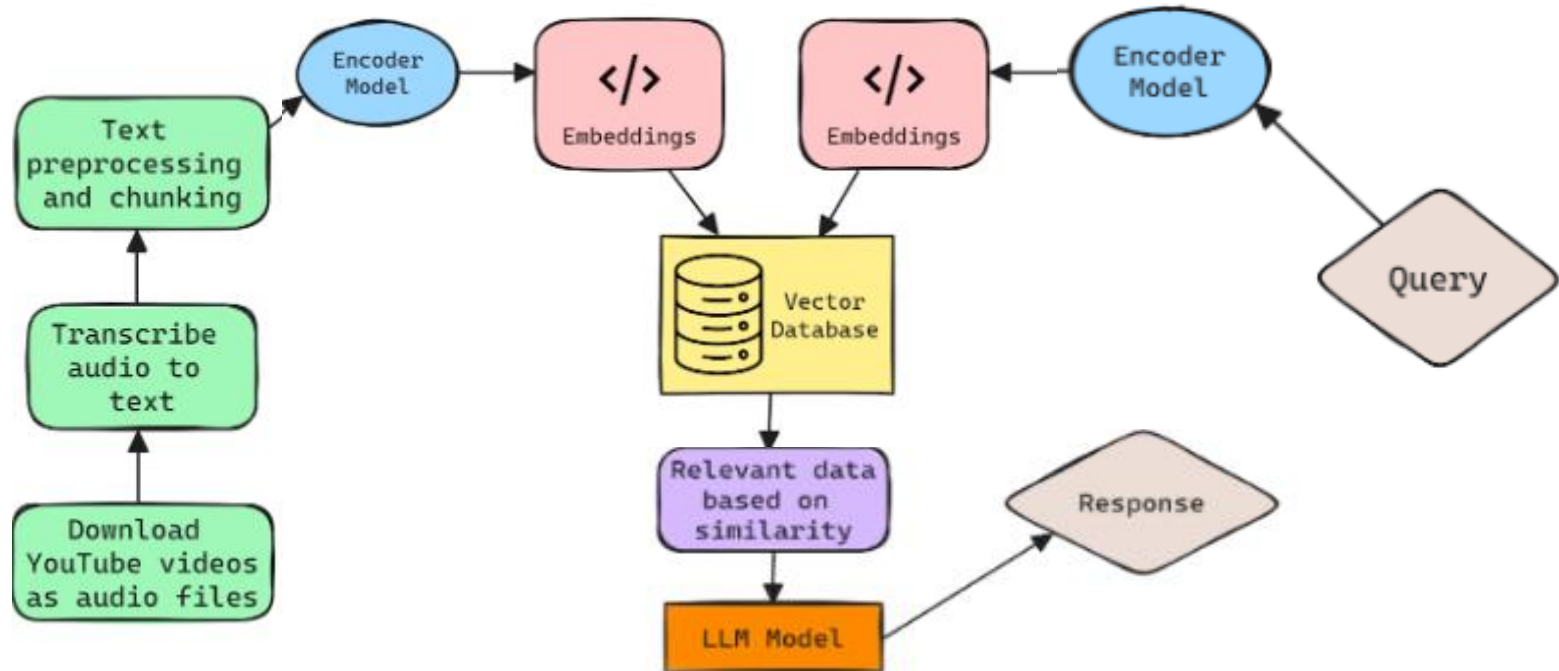
Erdős 2024 Summer Data Science Bootcamp

# FinFeed RAG: A Chatbot for Financial Questions

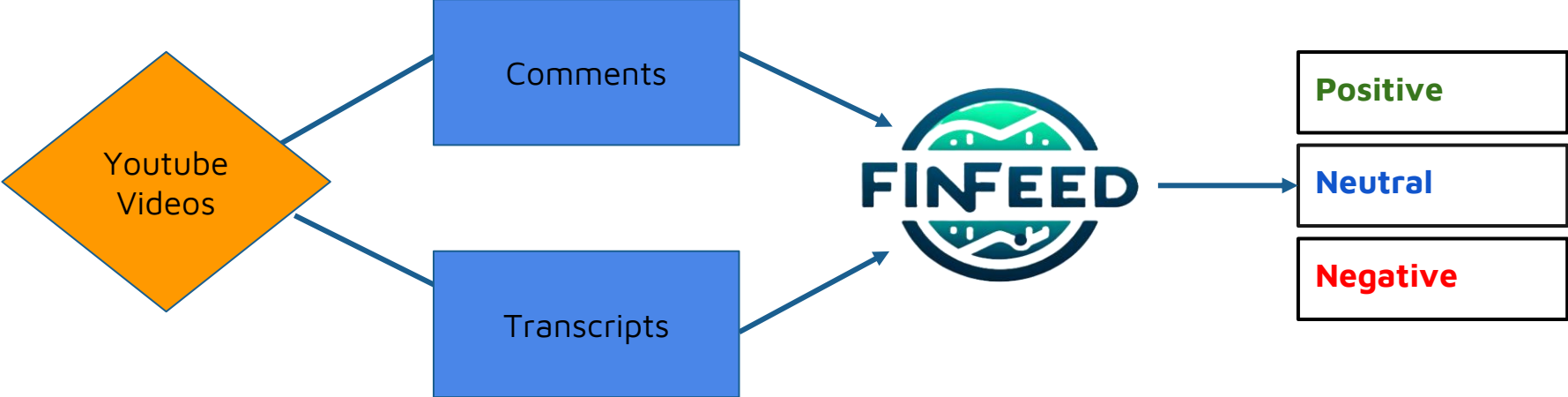


The screenshot displays the user interface for the FinFeed RAG chatbot. At the top center is the FinFeed logo, which consists of a circular emblem with a stylized globe and the text "FINFEED" below it. Below the logo is a white rectangular input area with a rounded border. Inside this area, the text "Enter Query for FinFeedRAG" is centered. Underneath this text, the word "Query:" is followed by a white text input field. To the right of the input field is a green button with the word "Submit" in white text. The entire interface is set against a light gray background.

# FinFeed RAG Architecture



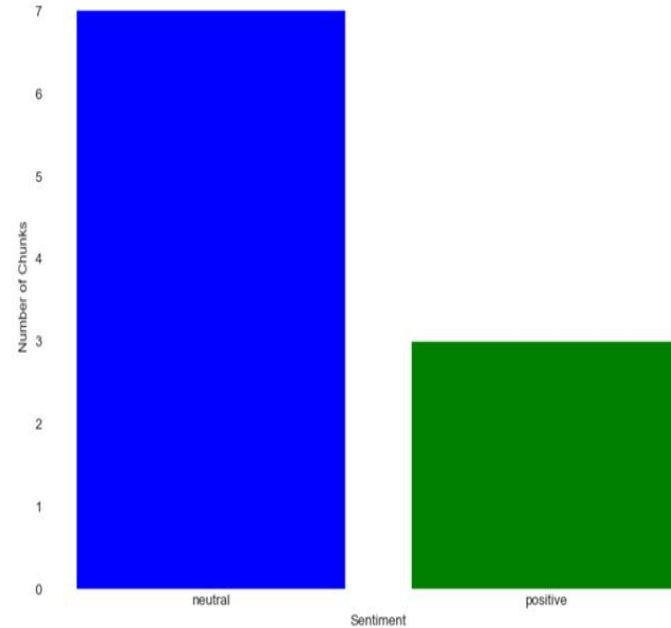
# Sentiment Analysis



## Gauging the Sentiment on People's Opinion:

- **General Sentiment:** positive
- **Aggressiveness Score:** 2
- **General Political Tendency:** The recent economic policies in China indicate a focus on stimulating growth and addressing key sectors like unemployment and housing. These policies align more with a moderate economic stance, aiming to boost the economy through targeted measures.

## Sentiment of News Sources:

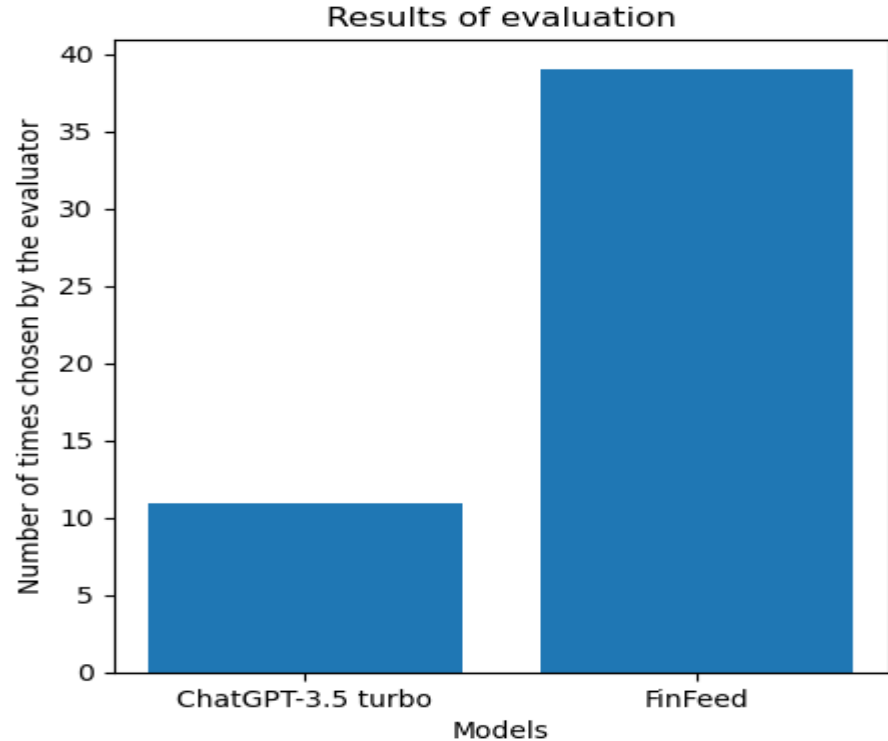


## Related YouTube Videos:

- <https://www.youtube.com/watch?v=Eg2g74TPN7I>
- <https://www.youtube.com/watch?v=umVBVlbuooY>
- <https://www.youtube.com/watch?v=2cruhc8pyBc>
- <https://www.youtube.com/watch?v=SuP7SDDj-Cw>
- <https://www.youtube.com/watch?v=2cruhc8pyBc>
- <https://www.youtube.com/watch?v=zxWfBJbYOm0>
- <https://www.youtube.com/watch?v=sVUVpxfFuPo>
- <https://www.youtube.com/watch?v=OfbpB4V988Q>
- <https://www.youtube.com/watch?v=zxWfBJbYOm0>
- <https://www.youtube.com/watch?v=7Xb45WXcD1k>

# Evaluation of our chatbot

- 50 typical questions were asked to FinFeed and ChatGPT-3.5 turbo.
- ChatGPT-3.5 turbo was then prompted to pick the most informative answer.



# Future Directions

- Leverage visual content of videos to enrich context.
- Implement an audio assistant to allow for spoken questions and read back answers out loud.
- Use BERTopic to cluster documents of similar topics together.
- Use SERPs (Scrape Google Search Results) to augment context data.



# Acknowledgements

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**Thank you!**