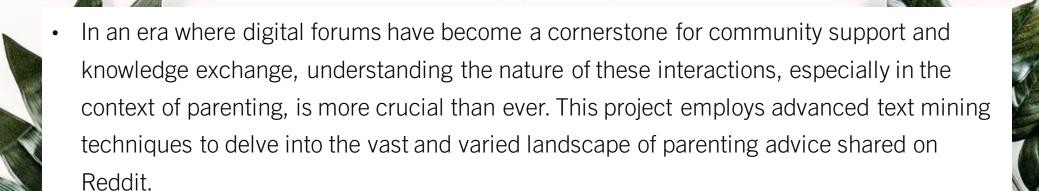
EXPLORING PARENTING ADVICE

Unveiling Trends, Sentiments, and Connections in Online Parenting Discussions



UNLOCKING INSIGHTS FROM ONLINE PARENTING



DATASET OVERVIEW

• The dataset is a compilation of text-based posts and comments where individuals seek guidance or provide advice related to parenting. Each entry is enriched with metadata such as post content, comment content, comment score, comment date, and provider. By mining this rich unstructured data source, we aim to interpret the collective narrative of parenting in the digital age.

	Post_ID	Post_Content	Comment_Content	Comment_Score	Comment_Date	Provider
0	1bk58ru	My first baby was born after a long old 36 hou	My friend gave birth in the car in the hospita	359	2024-03-21	r/beyondthebump
1	1bm36ak	Went to bed around 11 after bub had his bottle	I mean, you did it. You hit the partner teamwo	1629	2024-03-24	r/beyondthebump
2	1c2aazi	Just a scenario i thought was sad but also a l	Sorry I laughed out loud at the title alone. B	719	2024-04-12	r/beyondthebump
3	1brvfep	I was angry at you today. You asked me to go p	This is rough. In your writing I can feel th	799	2024-03-30	r/beyondthebump
4	1bnfst8	Mine is that part of the reason newborns cry i	That colic is a lazy diagnosis and synonymous	1252	2024-03-25	r/beyondthebump

METHODOLOGY





Tokenization: Break down complex text into singular words, or 'tokens,' to facilitate deeper analysis.

Removing Stopwords: Common words add more noise than meaning, and they are filtered out.

Lemmatization: Words are reduced to their base, aiding in the standardization of the dataset.

Removing Special Characters: Non-alphanumeric characters are removed to clean the data further.

Sentiment Analysis:

This process involves assigning a sentiment score to each comment, classifying them as positive, negative, or neutral. This sentiment score is crucial to gauge the overall emotional tone of the discourse within the parenting community on Reddit.

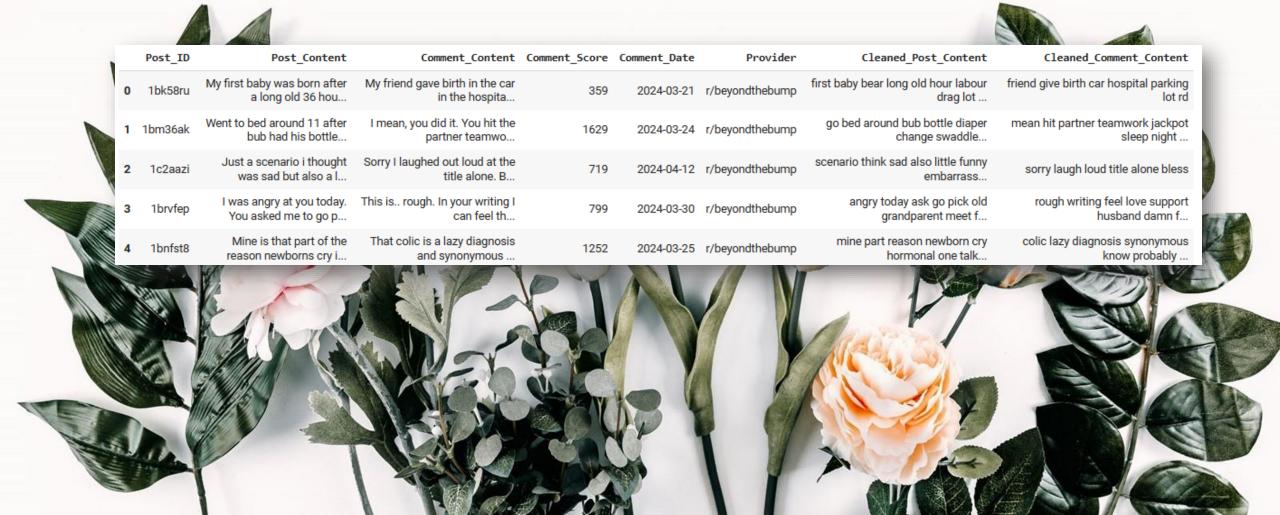
Text Similarity Analysis:

By comparing documents based on their content, we identify posts that discuss similar issues or share advice. This approach is vital for recognizing common patterns and themes in parenting discussions.

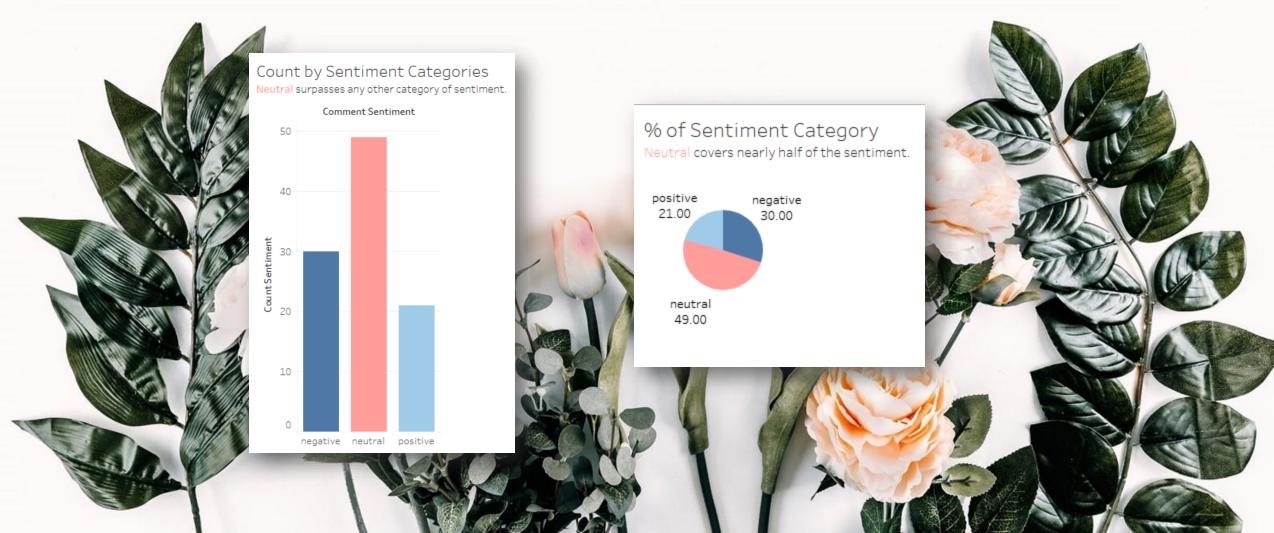
Question-Answering System:

We utilize an interactive system that allows users to query the dataset in natural language. The system then retrieves the most relevant answers, enhancing user engagement and making the insights more accessible.

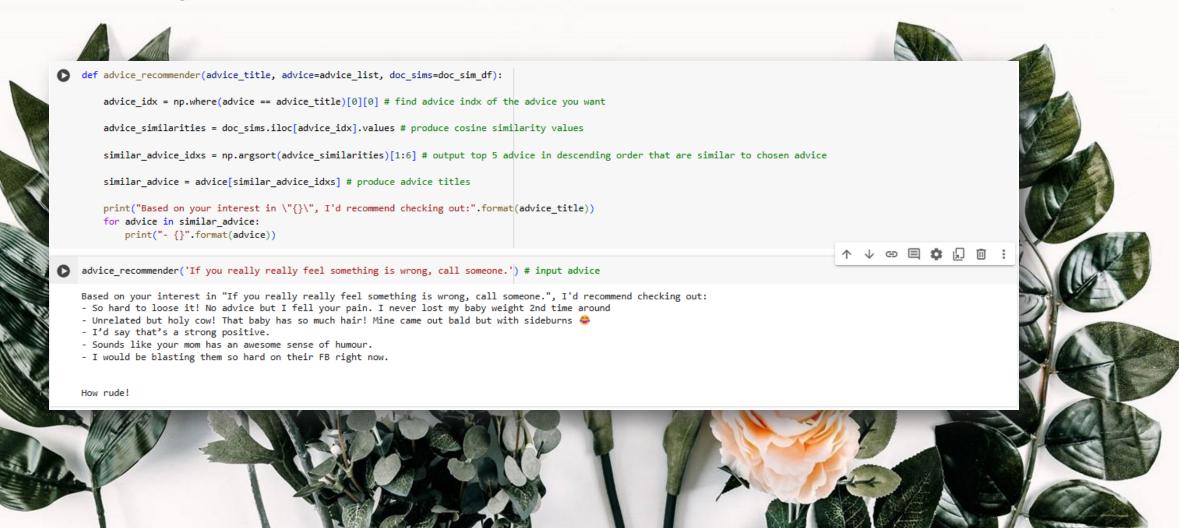
NLP PIPELINE



SENTIMENT ANALYSIS



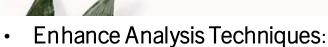
TEXT SIMILARITY



QUESTION-ANSWERING SYSTEM



NEXT STEPS



Sentiment Analysis: consider using more sophisticated sentiment analysis techniques or tools for deeper insight.

Text Similarity: explore advanced algorithms for better accuracy in finding similar texts.

Data Visualization:

Refine the visualizations in Tableau to make them more intuitive and informative.

Testing and Feedback:

Conduct testing sessions with potential users to gather feedback on usability and functionality. Use the feedback to make necessary adjustments and improvements.

Publish and Share Findings:

Share findings on platforms like GitHub and LinkedIn.