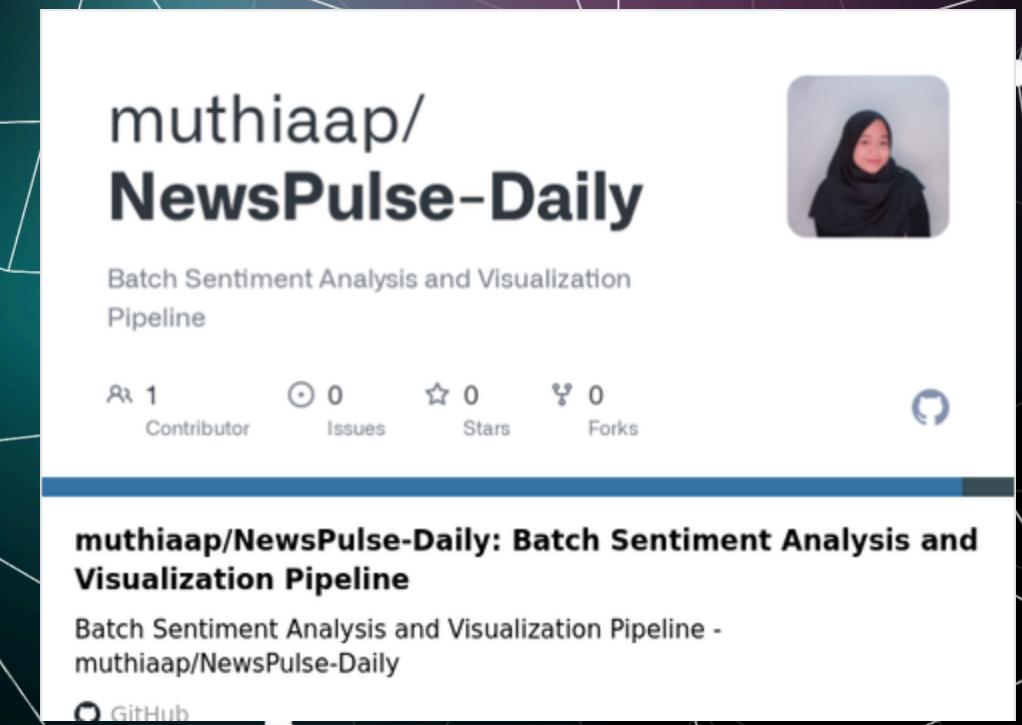
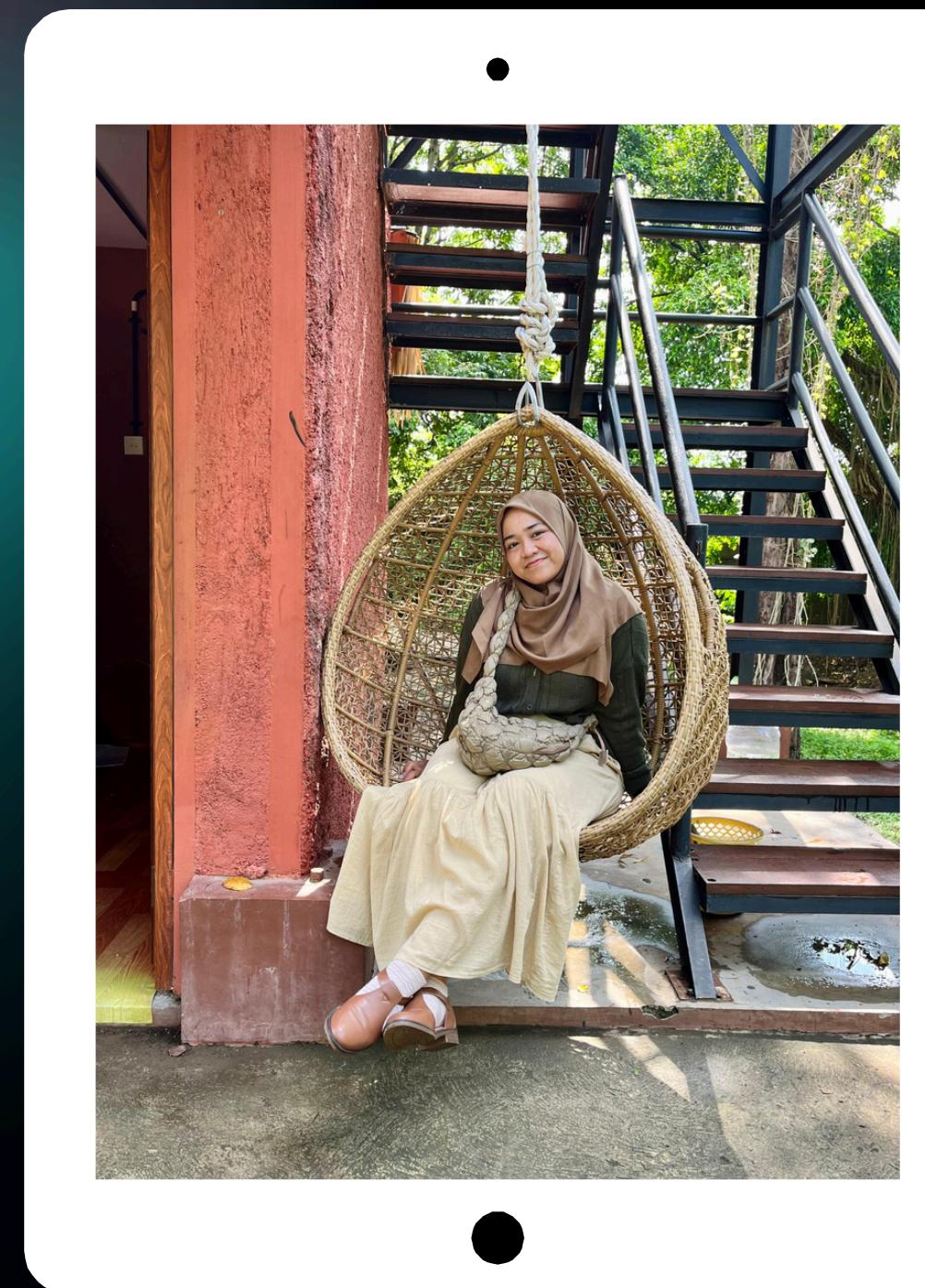


NewsPulse Daily

*Batch Sentiment Analysis and
Visualization Pipeline*





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Data Engineer at BNI

Portfolio:
<https://github.com/muthiaap>

Outline

Objectives

How sentiment analysis help company?

Load and Visualization

Storing the data and make a dashboard of it.

Extract and Transform

Way to get the data and transform it.

Conclusion

How the pipeline works for the company?

Objectives

Company Self Image

Assessing the company's daily public image as portrayed in the news.

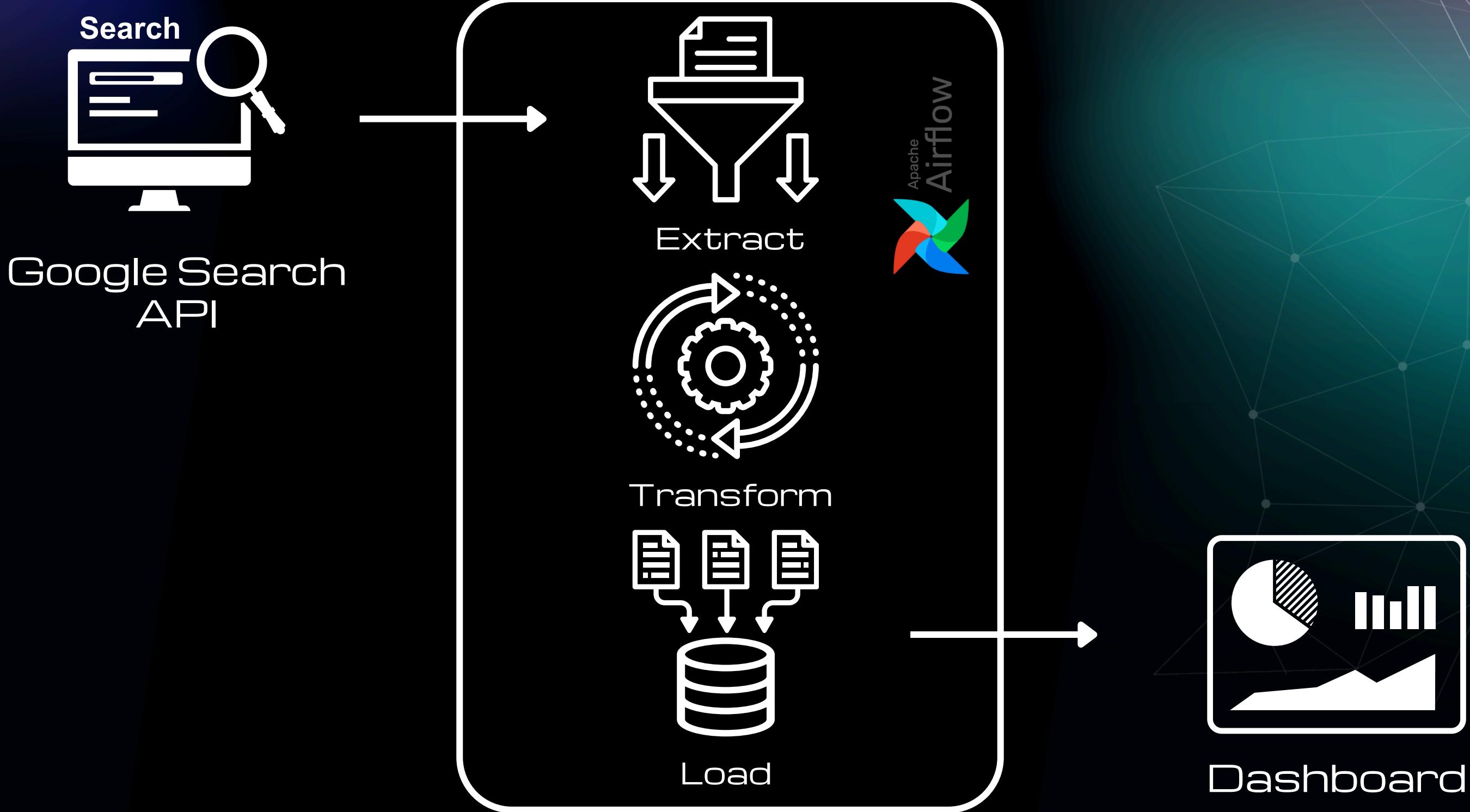
Most Frequent Word

Identifying the most common words to understand the reasons behind news sentiment.

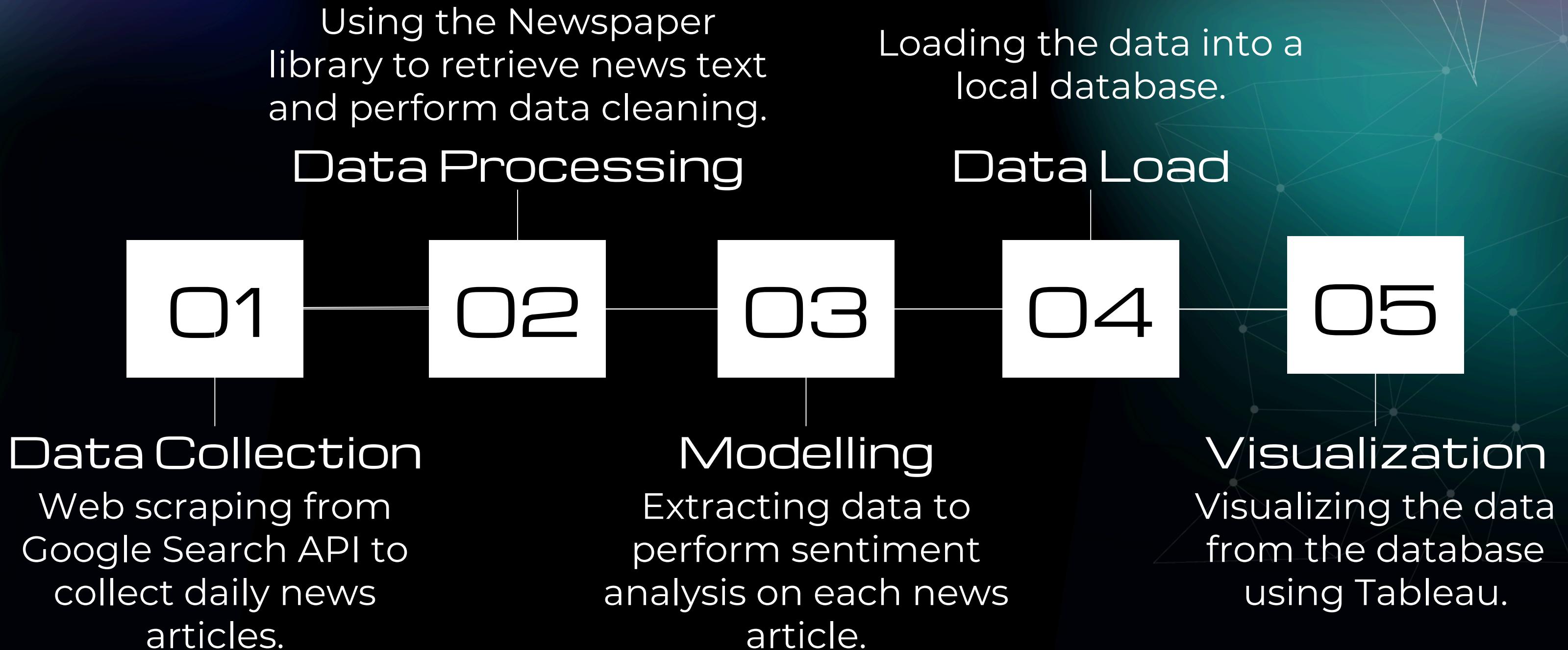
Community Respond

Monitoring daily customer or community feedback on recently launched products.

Workflow



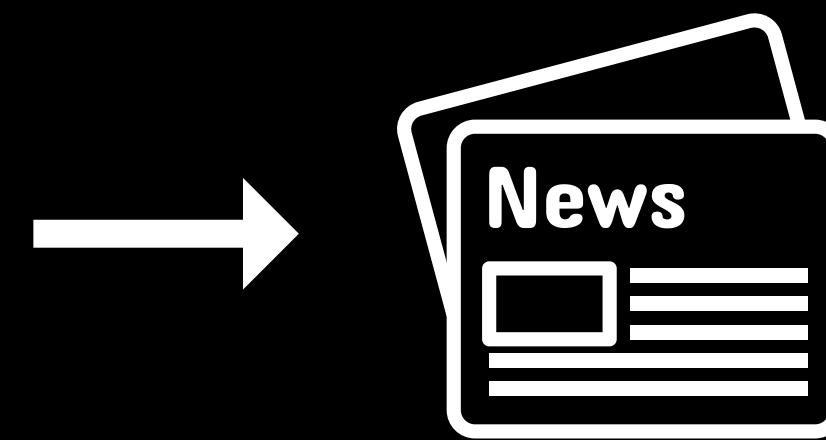
Workflow



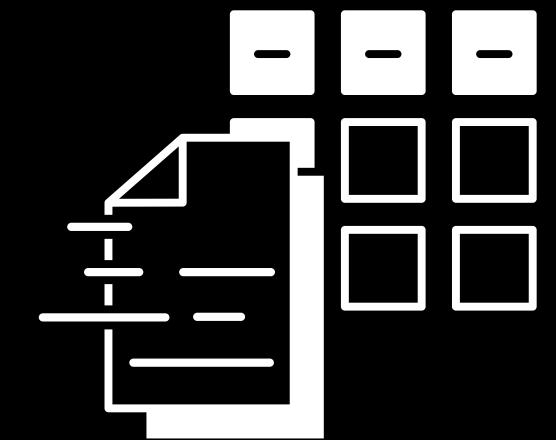
Extraction



Google Search API



Newspaper Python
Library



Store to DataFrame

Transformation



Distilbert Model

Fine tune from hugging face model

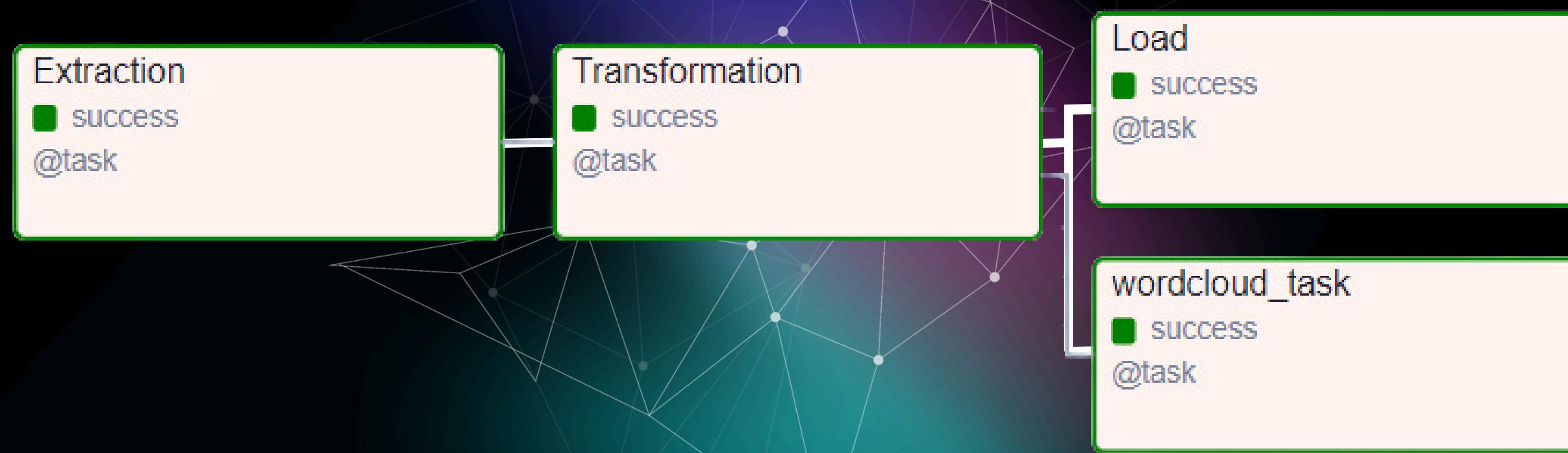


Loading

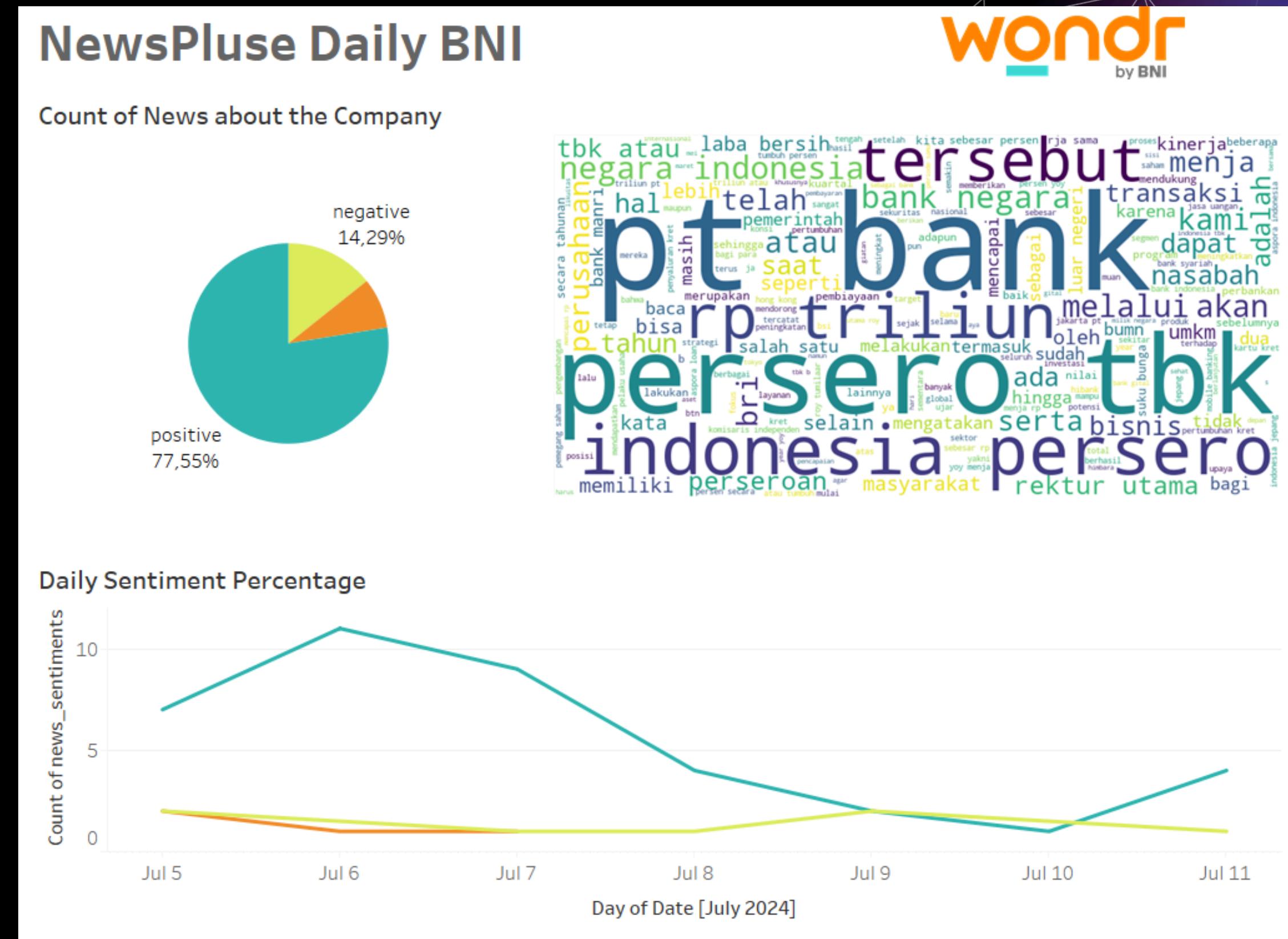


Load transformed data into local database.
Using postgre to adding the data daily.

Airflow Graph



Dashboard





That's All!