**Conclusion:**

In conclusion, the DAG YouTube Comment Sentiment Pipeline provides a powerful means for analysing sentiment trends and patterns in large volumes of comments. The pipeline's design and methodology make it easy to collect and pre-process data, perform sentiment analysis, and aggregate sentiment scores. The integration of various tools and technologies such as Apache Airflow, Pandas, Text Blob, NTLK, Matplotlib, and Docker make the pipeline scalable, efficient, and easy to deploy. The key results obtained from the analysis include sentiment scores for each YouTube comment, trends in sentiment over time, popular topics or hashtags influencing comment sentiment, and sentiment analysis of users. In summary, the DAG data pipeline for YouTube comments analysis is an effective and reliable tool for analysing sentiment trends and patterns in comments. It can be applied in various contexts, such as monitoring brand reputation, assessing public opinion, and conducting market research.