

Proposal for Twitter Data Analysis of @CommBank

Objective

The main objective of this project is to analyze the Twitter data of Commonwealth Bank to extract insights that can help InsightSpark to understand the bank's customer interactions, sentiment, and overall public perception.

Data Collection

We will use the Twitter API to collect the tweets from @CommBank. The data we will collect includes the tweet content, timestamp, retweet count, favorite count, and any associated hashtags or mentions.

Data Analysis

Sentiment Analysis

We will perform sentiment analysis on the tweets to understand the overall sentiment of the tweets. This can provide insights into how customers are reacting to Commonwealth Bank's services or announcements.

Topic Modeling

We will use topic modeling techniques to identify the main topics that Commonwealth Bank tweets about. This can help us understand what areas Commonwealth Bank focuses on and how these focus areas change over time.

Hashtag and Mention Analysis

Analyzing the hashtags and mentions in Commonwealth Bank's tweets can help us understand what other entities or topics are often associated with Commonwealth Bank.

Business Applications

Customer Perception

Understanding the sentiment and topics of Commonwealth Bank's tweets can give us an idea of how their customers perceive them. This can be useful for benchmarking and competitive analysis.

Trend Analysis

By analyzing the topics of Commonwealth Bank's tweets over time, we can identify any trends or shifts in their focus areas. This can provide valuable insights for strategic planning.

Crisis Management

Identifying negative sentiment trends early can help in proactive crisis management. If there's a sudden increase in negative sentiment, it could indicate a potential issue that needs to be addressed.