

## Visualization Explanation

To showcase the results of my analysis, I developed two dashboards using Looker Studio for the iOS API data and Google Colab (Python) for the chatbot performance data. The iOS Chatbot API Dashboard features:

1. A descriptive bar chart highlighting the top iOS chatbots based on average rating.
2. A diagnostic bar chart ranking the best-performing iOS chatbots using a combined performance score.

The Chatbot Performance Dashboard includes:

1. A descriptive horizontal bar chart showcasing the top 10 chatbots by average accuracy.
2. A diagnostic bubble chart comparing chatbot accuracy and latency, with bubble size representing memory usage.

These visualizations were generated using SQL queries leveraging CTEs, GROUP BY with aggregate functions, and window functions. Query results were exported as CSV files and visualized using Looker Studio for the iOS API analysis and Python's Matplotlib and Seaborn for the chatbot performance analysis.