

Sentiment Analysis

Understanding the Customer Reviews

Step 1: Scraping Data from Web

Step 2: Data Cleaning and Removing Unnecessary Data

Step 3: Sentiment Analysis

Scraping Data from Web

- Initialization of Lists
- Looping Through Pages
- Parsing HTML Content
- Extracting Data
- Extending Lists
- Adding Delays
- Organizing Data
- Writing to CSV

Data Cleaning and Removing Unnecessary Data

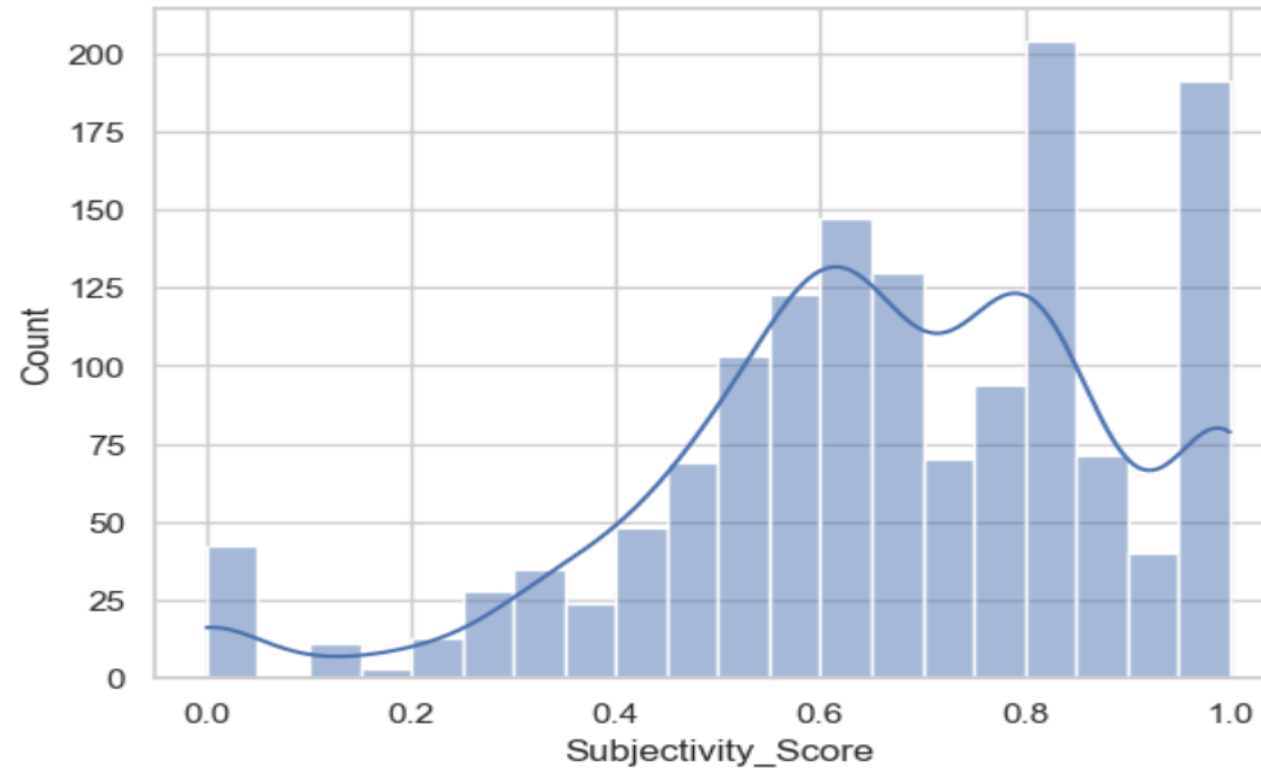
- Importing Libraries
- Reading the CSV
- Removing Emojis
- Downloading NLTK Resources
- Initializing Variables
- Creating Output DataFrame
- Analyzing Sentiment
- Iterating Over Rows

Data Cleaning and Removing Unnecessary Data

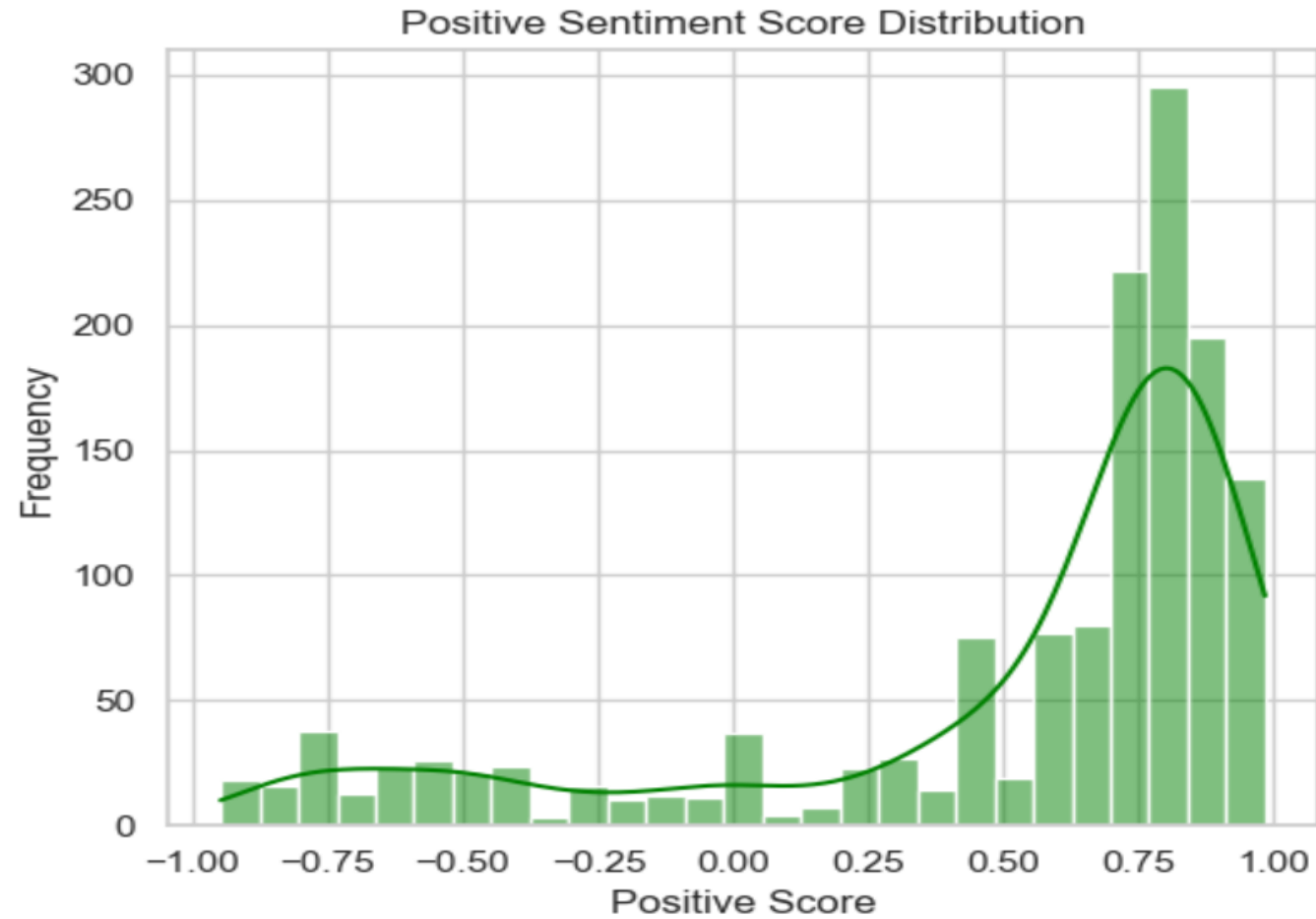
- Building the Output DataFrame
- Cleaning Emojis
- Saving the Results

Sentiment Analysis

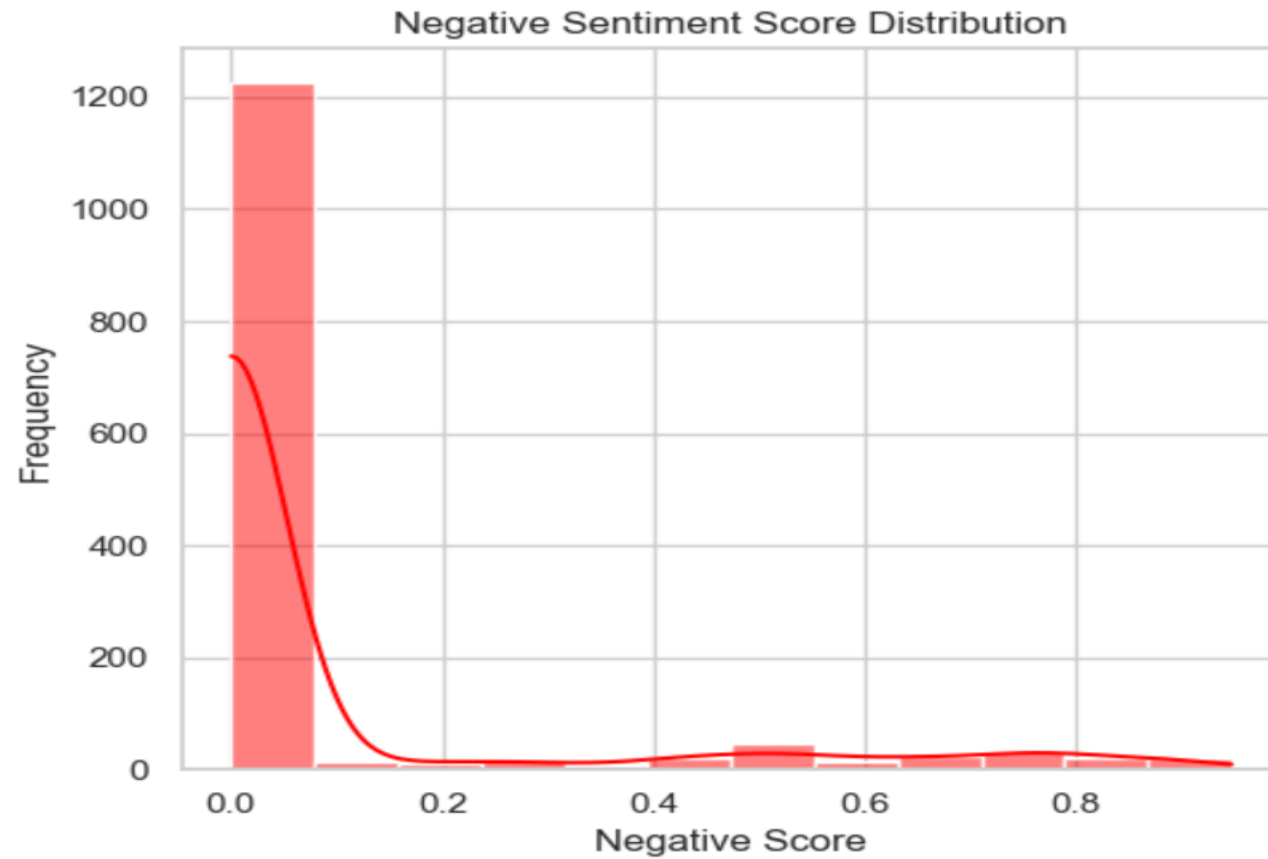
- Sentiment Distribution



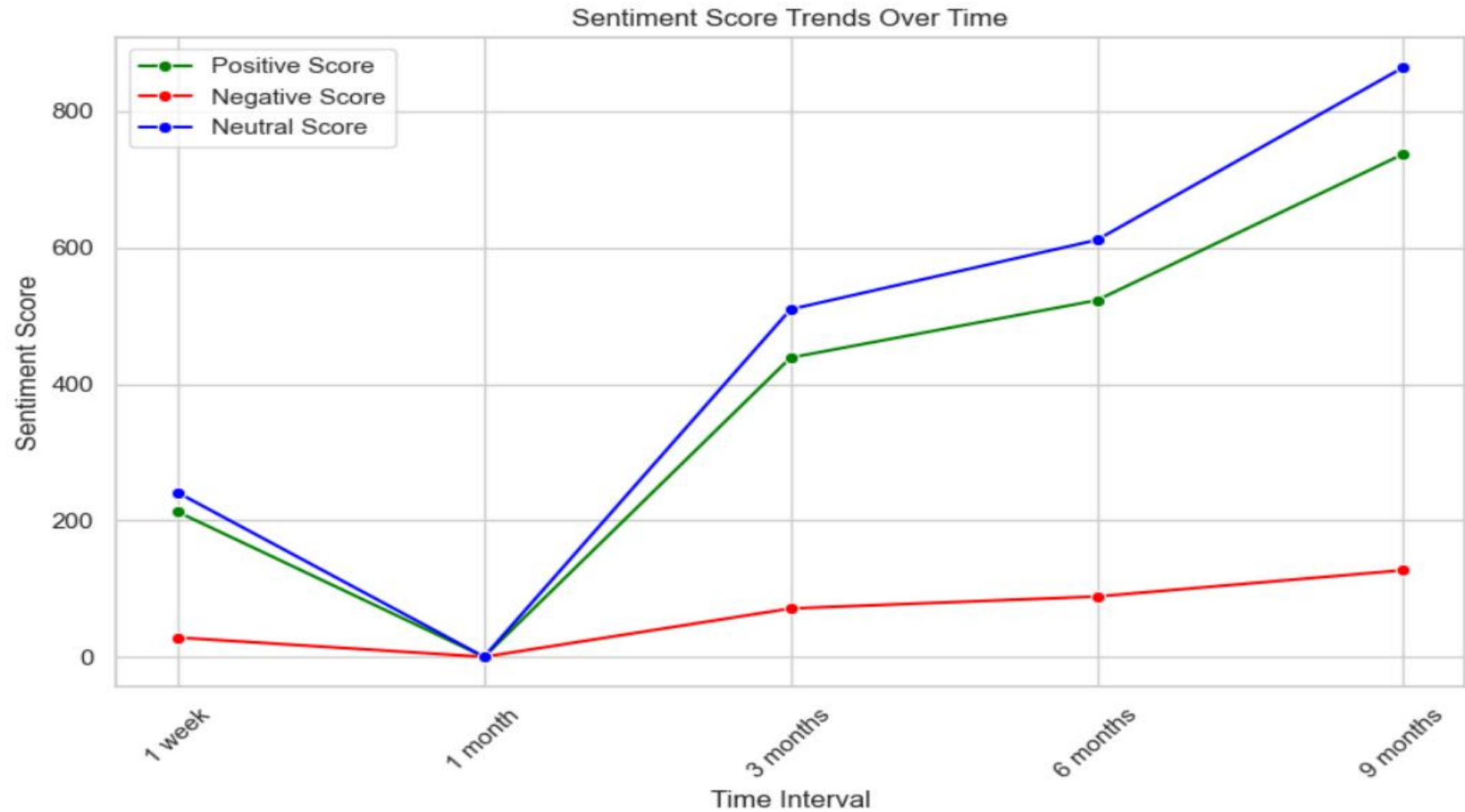
- **Positive Sentiment Score Distribution**



- **Negative Sentiment Score Distribution**



- Sentiment Trends Over Time



• Most Common Positive Keywords



Phone: 933 product: 844 Nice: 738 Camera: 637 Best: 431 Awesome: 408
Battery: 326 Mobile: 308 Quality: 294

Thank You 😊