SENTIMENT ANALYSIS

ON

Speeches given by the President of the United States to a joint session of congress every year.

What is Sentiment Analysis?

Sentiment Analysis is the process of determining whether a piece of writing is positive, negative or neutral. A sentiment analysis system for text analysis combines natural language processing and machine learning techniques to assign weighted sentiment scores to the entities, topics, themes and categories within a sentence or phrase.

In this project we would be doing a sentiment Analysis on the speeches given by President of United States of Nation each year.

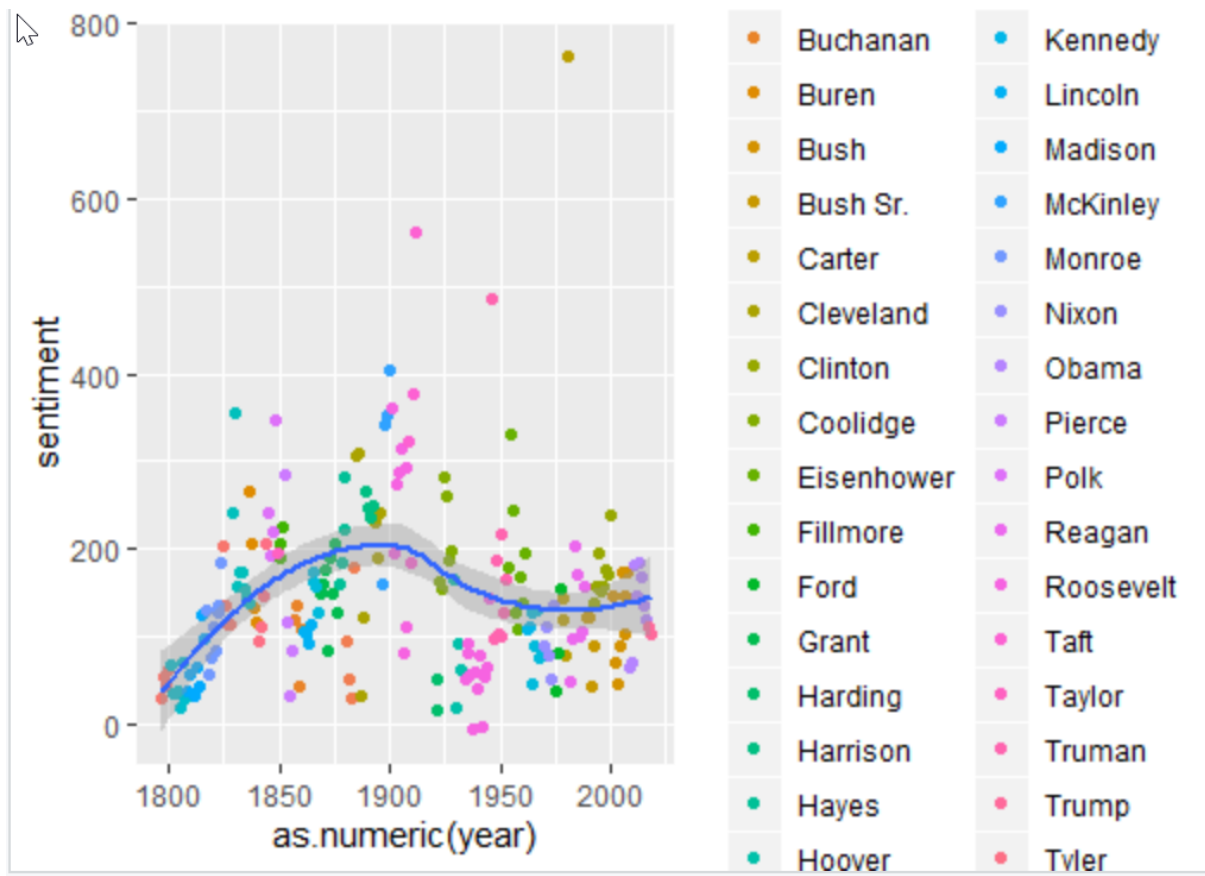The data set is provided from Kaggle.

Why to do Sentiment Analysis?

Sentiment analysis helps data analysts within large enterprises gauge public opinion, conduct nuanced market research, monitor brand and product reputation, and understand customer experiences.
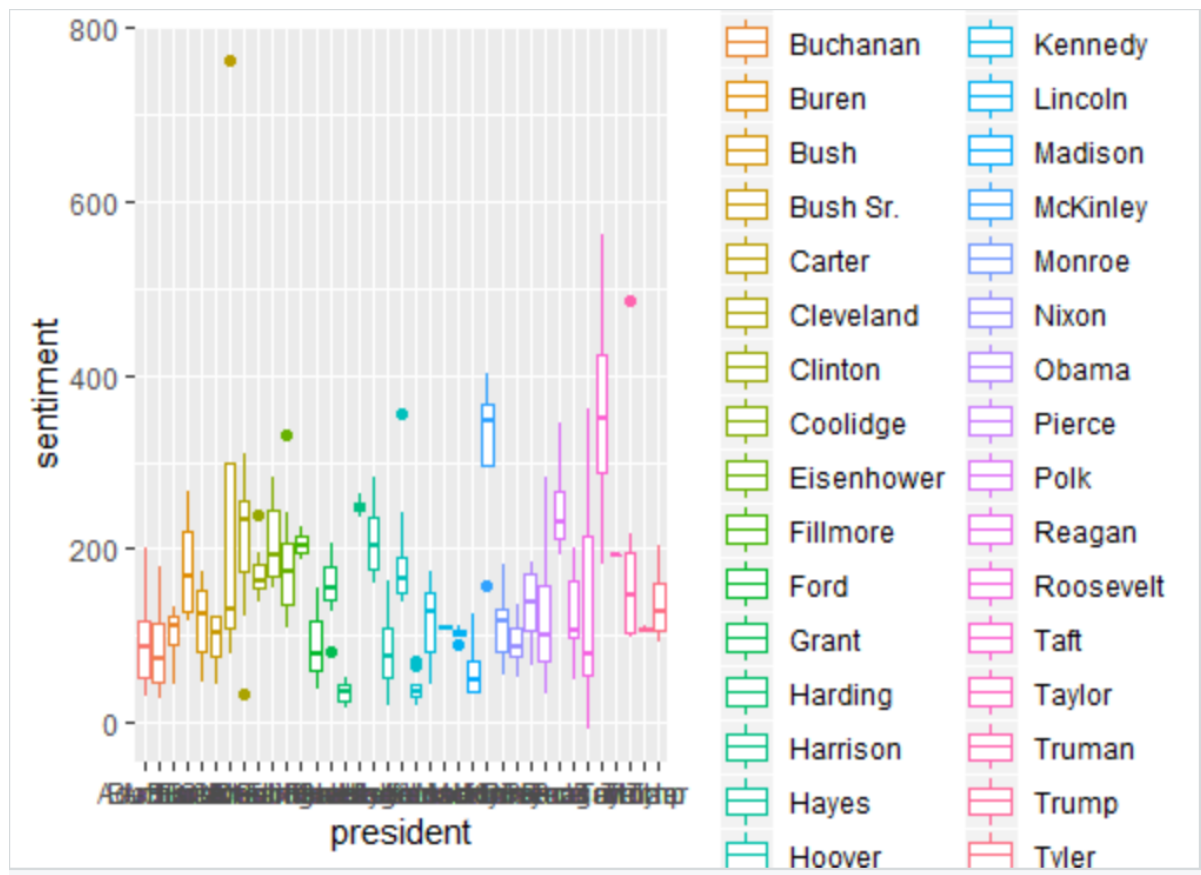
Tools used in this Project

1. **R Programming Language**
2. **Tidyverse Library**
3. **Tidytext Library**

RESULTS

The above graph shows the sentiment trend over a period of time of various Presidents of United States of Nation. From the graph itself it can be seen that Presidents such as Trump ,Tyler have lower sentiment values then presidents like McKinlet, Obama.

Note:-

Here as stated on Kaggle,I am using a general-purpose list of words rather than one specifically designed for analyzing political language. Furthermore, we only used one sentiment analysis list.

References & Credits:-

Kaggle for data set and tutorial on Tidyverse and Tidytext library