**Team Members list:**

Tanuja Polineni

<https://github.com/tanuja-polineni/NLP>

Nunna Lakshmi Vandana

<https://github.com/LakshmiVandanaNunna/ICE-1_WordFrequencyDistribution.git>

Yaswanth Bandaru

<https://github.com/yaswanth-bandaru-53/NLP-LAB1.git>

1. Why we use stopwords? Why stopwords are not necessary for NLP frequency distribution.

**Answer:** Stopwords don’t have information to the text it contains. By eliminating or removing them for NLP frequency distribution we focus more on the meaningful words.

The most common words used in any languages are termed as stopwords of its language.

1. Based on high frequency words what information you can extract from the graph?

**Answer:** The graph follows a downward trend with high repetitive words as ‘original’ and ‘spaceX’ then follows constant trend with ‘launch’ ‘falcon’ etc words. This means the website content is built with these most frequency words seen in the graph.

1. Can you provide different visualization for frequency distribution? If yes, please perform. If no, why?

**Answer:** Yes, I tried bar plot with seaborn package.

**10 High frequency words with stopwords**

Chart, bar chart

Description automatically generated

**10 High frequency words after removal of stopwords**

Chart, bar chart

Description automatically generated

**My Github Link:**

[**https://github.com/tanuja-polineni/NLP**](https://github.com/tanuja-polineni/NLP)