

## Assignment #1

Team members: Syed Araib Karim, Amanullah Shareef, Soumya Bhandari, Guntupalli Naga Srija

### Q1.

We use the stopwords function to remove the set of commonly used words in any language. Stopwords are not necessary in NLP frequency distribution because they are available in abundance in any human language. We remove stopwords to give more focus to the important information.

### Q2.

The frequency distribution is used to record the frequency of each word type in a document. The graph shows that words such as spaceX, planets and others are used more frequently. It can be used to give the topic representation of the website. For example here it shows we are talking about SpaceX, Space travel and more.

### Q3.

Yes, we can use a bar chart to show the frequency of the words.

