**NLP Process**

1. Increasing number of applications like chatbots, machine translation etc. The entire revolution of intelligent machines in based on the ability to understand and interact with humans.
2. TextBlob, which is built on the shoulders of NLTK and Pattern. A big advantage of this is, it is easy to learn and offers a lot of features like sentiment analysis, pos-tagging, noun phrase extraction, etc. It has now become my go-to library for performing NLP tasks.

**Scope of Incorporating NLP in Dendrogram**

1. Python is determined as the tool which is best suited for NLP. Set-up the Python system & ensure required libraries are installed.
2. Investigate how to capture upcs’ information from each terminal nodes in the Dendrogram.
3. Identify what relevant logic be used to **NAME** a group? Is this should be merely combined names of UPC’s or new-name to be defined?
4. Post the naming are defined, it should be placed where next-node is being created. This should not clutter against the names that are placed beside.