**NLP Levels: NLTK (Option 2)**

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Through my exploration of NLP techniques using NLTK (Jablonski, n.d.), I gained hands-on experience in tokenization, stop-word filtering, stemming, lemmatization, part-of-speech tagging, and named entity recognition (NER). I learned how these techniques work together to process and analyze unstructured text effectively. For instance, tokenization breaks text into manageable units, while filtering stop words improves focus on meaningful content. Stemming and lemmatization simplify words, and POS tagging provides grammatical insights. NER identifies key entities like names or locations, making these techniques invaluable across industries.

You can view my Python notebook for this tutorial on [Google Colab](https://colab.research.google.com/drive/1Tkau5vSu7wN7uMt_k_M7PkqVKrQU4Gnx?usp=sharing) or access the code on my [GitHub repository](https://github.com/Buchiexplores/MSAI-532/blob/main/week3/NLTK_Tutorial.ipynb).

**Reference**

Jablonski, J. (n.d.). Natural Language Processing With Python's NLTK Package. Real Python. Retrieved from <https://realpython.com/nltk-nlp-python/>