

CSCE 5290 - NLP - ICE1

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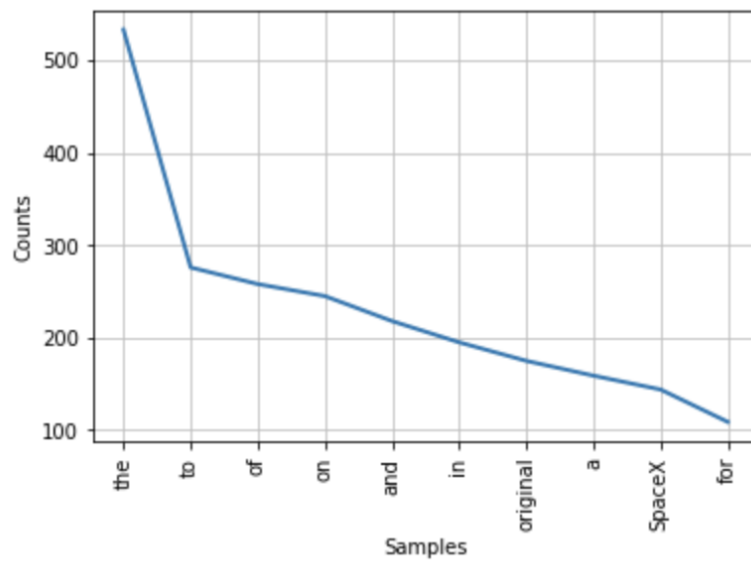
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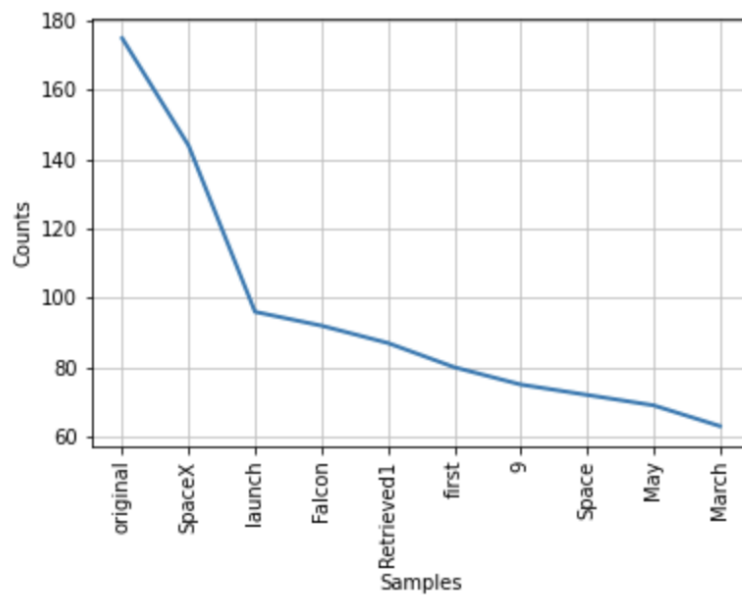
1. Why we use stopwords? Why stopwords are not necessary for NLP frequency distribution.
 - a. We use stopwords to give proper meaning and context to a sentence.
 - b. Stopwords are not necessary for NLP frequency distribution because it likely won't capture the main subject of the text, since stopwords appear more frequently.

2. Based on high frequency words what information you can extract from the graph?
 - a. From the graph with stopwords, very little was able to indicate what SpaceX is involved with.
 - b. From the graph without stopwords, I was able to gather that SpaceX was going to launch, where it was going (Space), and possibly the months (May or March)

All Tokens



Clean Tokens



3. Can you provide different visualization for frequency distribution? If yes, please perform. If no, why?
 - a. Yes, we can tabulate the sample distribution.

```
# With Stopwords
freq1.tabulate(10, cumulative=False)
```

the	to	of	on	and	in	original	a	SpaceX	for
533	276	258	245	218	195	175	159	144	109

```
# Without Stopwords
freq2.tabulate(10, cumulative=False)
```

original	SpaceX	launch	Falcon	Retrieved1	first	9	Space	May	March
175	144	96	92	87	80	75	72	69	63

Link to github: <https://github.com/rmoreira/NLP>

Link to Wiki: <https://github.com/rmoreira/NLP/wiki>

Link to assignment: <https://github.com/rmoreira/NLP/tree/main/ICE-1>