

US PRESIDENTIAL SPEECH

Text
Analytics



ABINAYA M

CONTENT

❖ WORDCLOUD FOR PRESIDENT ROOSEVELT SPEECH	03
❖ WORDCLOUD FOR PRESIDENT KENNEDY SPEECH	04
❖ WORDCLOUD FOR NIXON SPEECH	05

In this particular project, we are going to work on the inaugural corpora from the nltk in Python. We will be looking at the following speeches of the Presidents of the United States of America:

1. President Franklin D. Roosevelt in 1941
2. President John F. Kennedy in 1961
3. President Richard Nixon in 1973

Find the number of characters, words and sentences for the mentioned documents. (Hint: use `.words()`, `.raw()`, `.sent()` for extracting counts)

NUMBER OF WORDS INCLUDING STOPWORDS & PUNCTUATION

- IN PRESIDENT ROOSEVELT SPEECH:1323
- IN PRESIDENT KENNEDY SPEECH : 1364
- IN PRESIDENT NIXON SPEECH : 1769

	Name	Speech	totalwords
0	Roosevelt	On each national day of inauguration since 178...	1323
1	Kennedy	Vice President Johnson, Mr. Speaker, Mr. Chief...	1364
2	Nixon	Mr. Vice President, Mr. Speaker, Mr. Chief Jus...	1769

NUMBER OF CHARACTERS INCLUDING STOPWORDS & PUNCTUATION :

- IN PRESIDENT ROOSEVELT SPEECH : 7651
- IN PRESIDENT KENNEDY SPEECH : 7673
- IN PRESIDENT NIXON SPEECH : 10106

	Speech	char_count
0	On each national day of inauguration since 178...	7651
1	Vice President Johnson, Mr. Speaker, Mr. Chief...	7673
2	Mr. Vice President, Mr. Speaker, Mr. Chief Jus...	10106



NUMBER OF SENTENCES INCLUDING STOPWORDS AND PUNCTUATION :

- IN PRESIDENT ROOSEVELT SPEECH :68
- IN PRESIDENT KENNEDY SPEECH : 52
- IN PRESIDENT NIXON SPEECH : 68

Remove all the stopwords from the three speeches. Show the word count before and after the removal of stopwords. Show a sample sentence after the removal of stopwords.

NUMBER OF WORDS AFTER REMOVAL OF STOPWORDS :

- IN PRESIDENT ROOSEVELT SPEECH : 654
- IN PRESIDENT KENNEDY SPEECH : 689
- IN PRESIDENT NIXON SPEECH : 819

	Speech	wordspeech_after_rem_stop
0	national day inauguration since 1789 people re...	624
1	vice president johnson mr speaker mr chief jus...	689
2	mr vice president mr speaker mr chief justice ...	819

Which word occurs the most number of times in his inaugural address for each president? Mention the top three words. (after removing the stopwords)

IN PRESIDENT ROOSEVELT SPEECH :

```
[('nation', 10), ('know', 10), ('us', 8)]
```

IN PRESIDENT KENNEDY SPEECH :

```
[('let', 11), ('us', 11), ('sides', 8)]
```

IN PRESIDENT NIXON SPEECH :

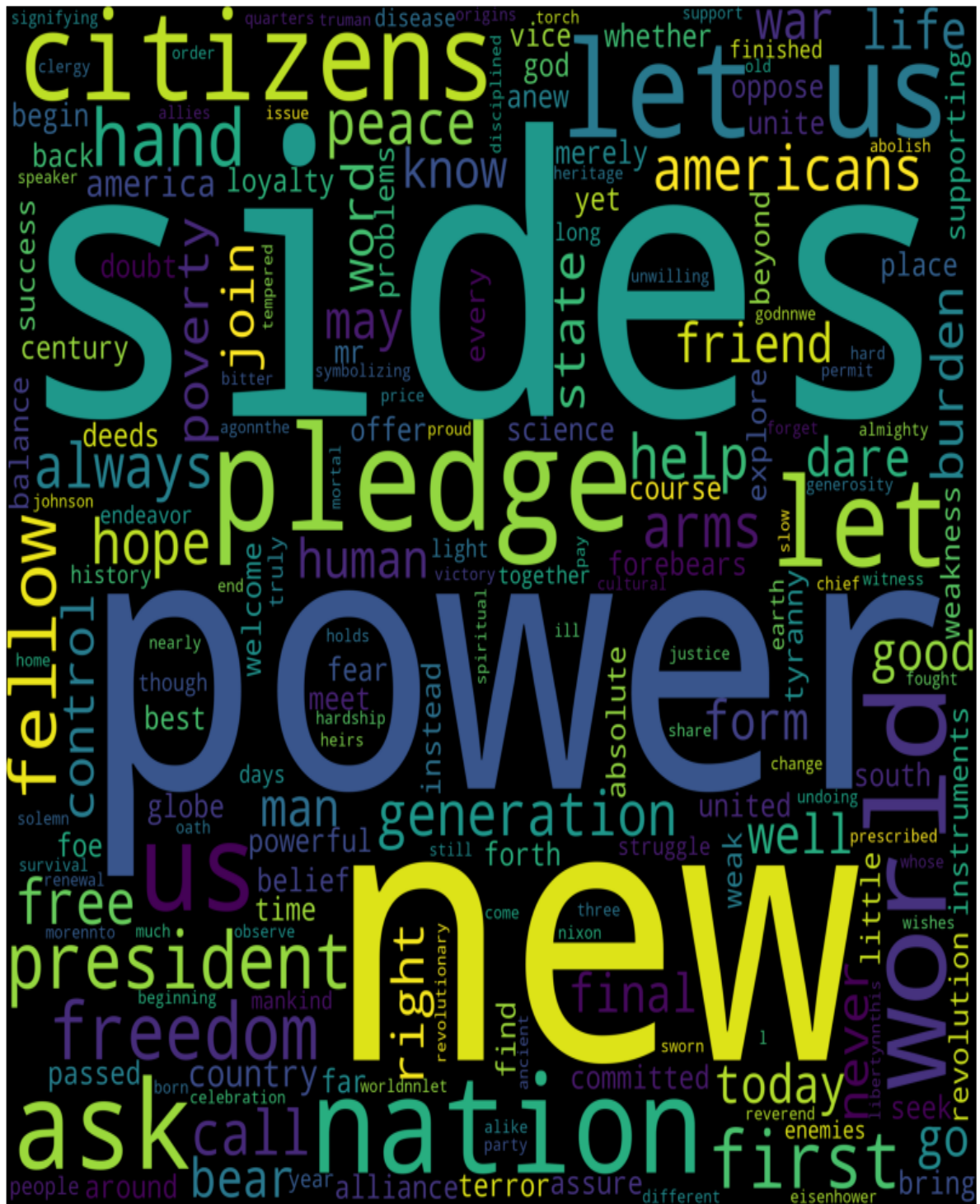
```
[('us', 26), ('new', 15), ('peace', 15)]
```

Plot the word cloud of each of the three speeches. (after removing the stopwords)

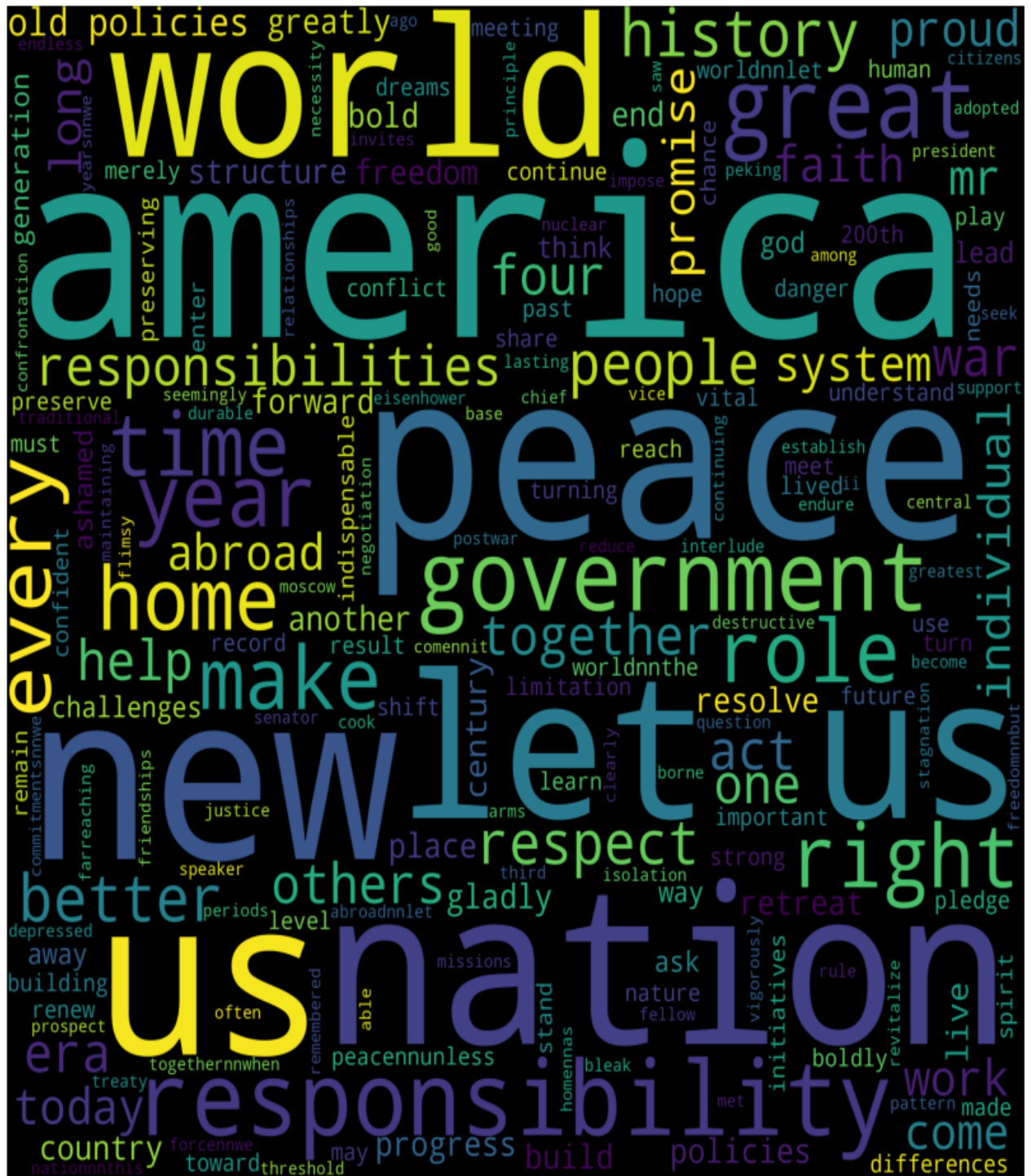
WORD CLOUD FOR PRESIDENT ROOSEVELT SPEECH :



WORD CLOUD IN PRESIDENT KENNEDY SPEECH :



WORDCLOUD IN PRESIDENT NIXON SPEECH :



THANK YOU