

Q2

Q2.1

Find the number of characters, words, and sentences for the mentioned documents.

Character counts for the mentioned documents

Roosevelt: 7571

Kennedy: 7618

Nixon: 9991

Words counts for the mentioned documents

Roosevelt: 1536

Kennedy: 1546

Nixon: 2028

Sentences counts for the mentioned documents

Roosevelt: 68

Kennedy: 52

Nixon: 69

Q2.2

Using the set of “English” stop words available in NLTK library along with the set of punctuation available in string library, the stop words were removed from all the mentioned documents.

Q2.3

After removing the stop words, word occurs the most number of times in the inaugural address for each president are as follows (along with the number of times they appeared):

Top 3 words for Roosevelt: [('nation', 12), ('know', 10), ('spirit', 9)]

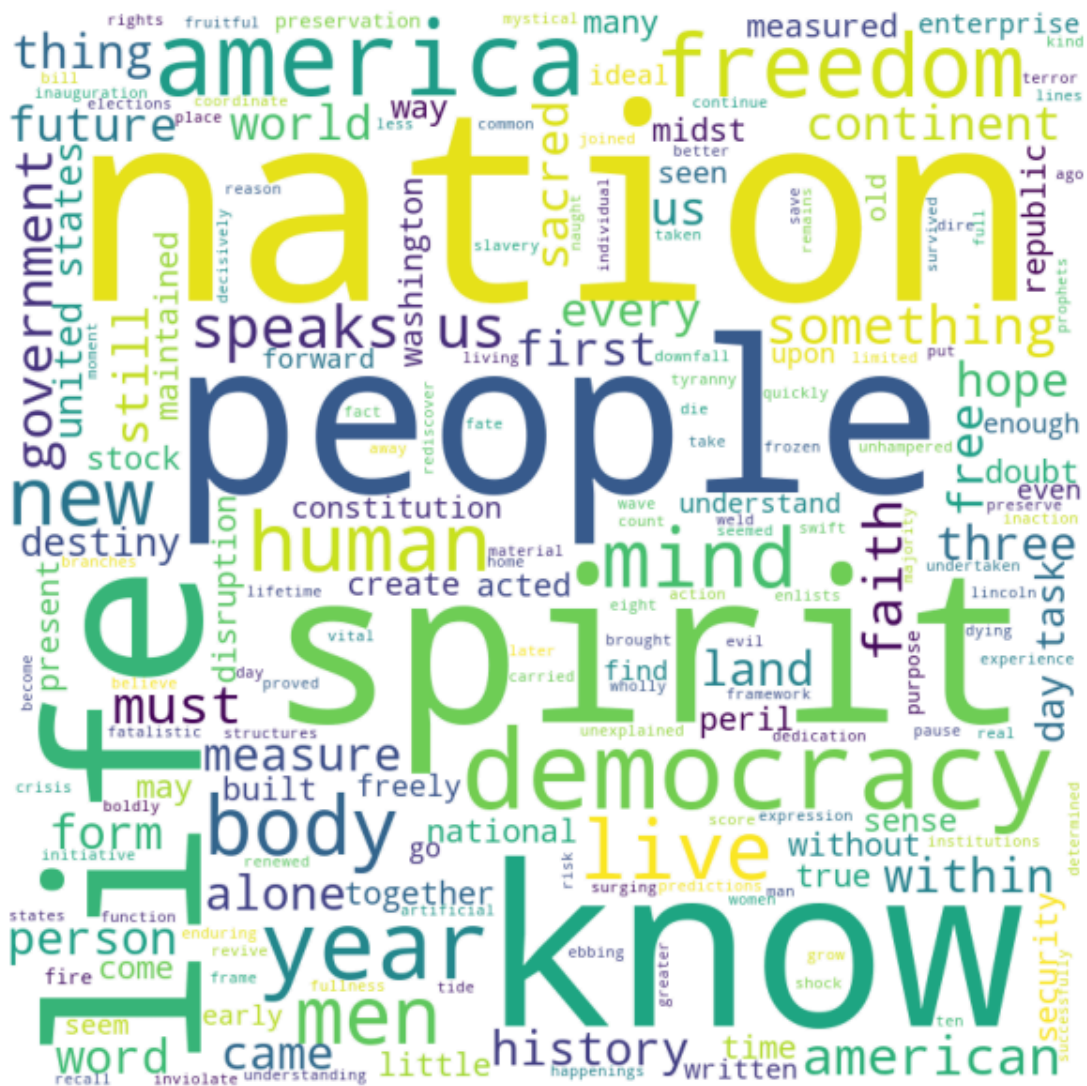
Top 3 words for Kennedy: [('let', 16), ('us', 12), ('world', 8)]

Top 3 words for Nixon: [('us', 26), ('let', 22), ('america', 21)]

Q2.4

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

For Roosevelt



For Kennedy

peace new responsibility home us world america nation people

government year together right help make better generation

every broad history promise faith stand policies structure establish

let four years good justice danger building impose remain level system country

responsibilities confrontations revitalize borne vital arms must work human conflict often

god place others net freedom away future use speaker pattern

act end resolve gladly missions seek bleak turn learn greatly necessity strong friendships

role record expect century differences commitment continuing retreat challenge

today nature greatest force important initiatives best build adopted live nuclear

turning cook reach 200th negotiation washington old policies question interlude

come think president merely unless remembered enter share

responsibilities confrontation revitalize borne vital arms must work human conflict often

god place others net freedom away future use speaker pattern

act end resolve gladly missions seek bleak turn learn greatly necessity strong friendships

role record expect century differences commitment continuing retreat challenge

peace new responsibility home us world america nation people

government year together right help make better generation

every broad history promise faith stand policies structure establish

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