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pip install nltk matplotlib wordcloud


import nltk

from nltk.corpus import stopwords

from nltk.tokenize import word_tokenize,sent_tokenize

from nltk.probabilityimportFreqDist

import matplotlib.pyplotasplt

from wordcloud import WordCloud


nltk.download('stopwords')


Text="Loremipsumdolorsitamet,consecteturadipiscingelit.Sedtristiqueanteetvelitvestibulum,velpharetraorciiaculis.Nullammattisrisusquisauguetinciduntrhoncus.Morbivarius,arcuvitaescelerisquelaoreet,magnaestimperdietquam,sitametultriceslectusjustoidenim.Seddictumsuscipitcommodo.Sedmaximusconsequatrisus,necpharetranibhinterdumquis.Etiamegetquamvelauguedictumdignissimsitametnecelit.Nuncatsapiendolor.Nullavitaeiaculislorem.Suspendissepotenti.Sednonanteturpis.Morbiconsectetur,arcuavestibulumsuscipit,mauriserosconvallisnibh,necfeugiatorcienimsitametenim.Aliquameratvolutpat.Etiamvelnisiidnequeviverradapibusnonnonlectus."#Tokenizetheparagraphtoextractwordsandsentences

words=word_tokenize(text.lower())

sentences=sent_tokenize(text)


stop_words=set(stopwords.words('english'))

filtered_words=[word for word in words if word.casefold()not in stop_words]

fdist=FreqDist(filtered_words)

fdist.plot(30,cumulative=False)

plt.show()


wordcloud=WordCloud(width=800,height=800,background_color='white',stopwords=stop_words,min_font_size=10).generate(text)

plt.figure(figsize=(8,8),facecolor=None)

plt.imshow(wordcloud)

plt.axis("off")

plt.tight_layout(pad=0)
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plt.show()
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